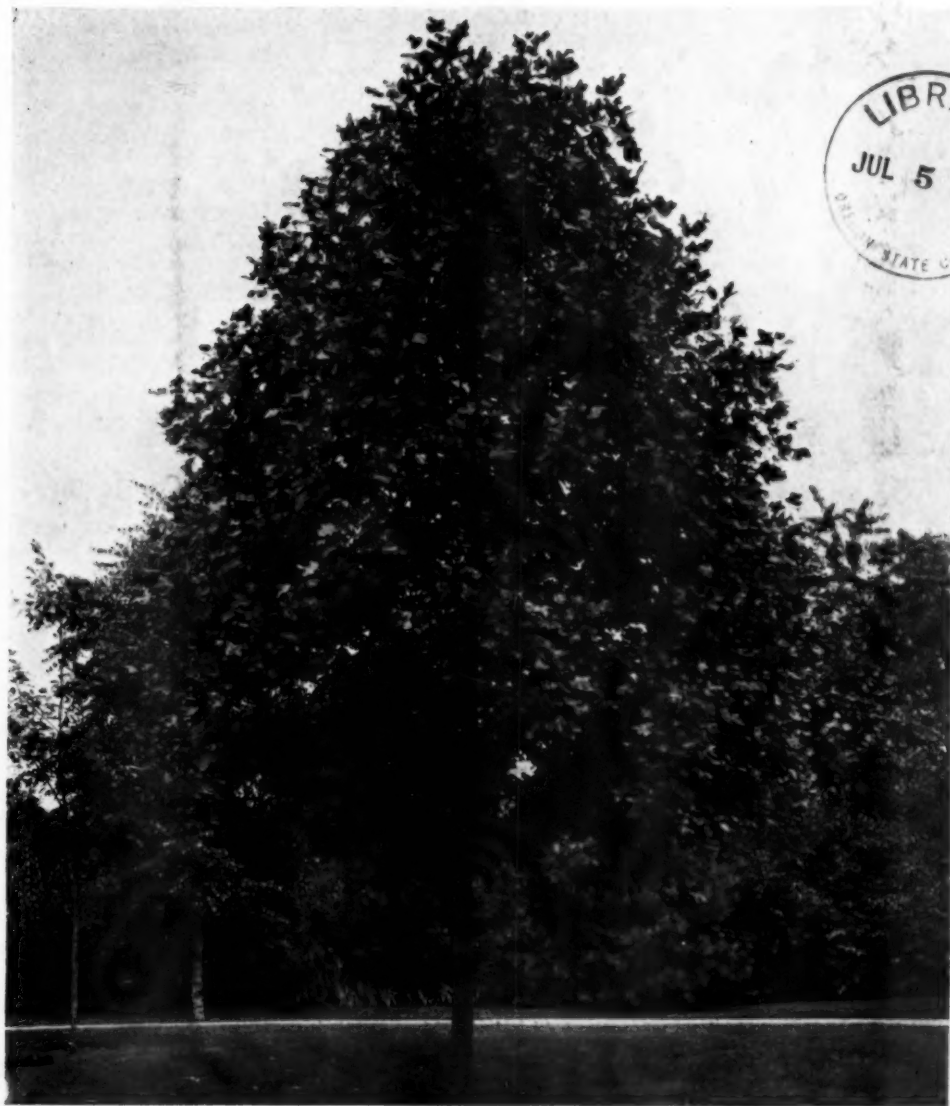


AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

JULY 1, 1939



Liriodendron Tulipifera

Pre-Convention Number

A. A. N., PORTLAND, ORE., JULY 9 TO 14

AMERICAN NURSERYMAN

Chief Exponent of the Nursery Trade

F. R. KILNER, Editor

Published Semi-monthly by

AMERICAN NURSERYMAN
PUBLISHING CO.

508 S. Dearborn Street,

Chicago, Ill.

Telephone: Wabash 8194

New York Office—67 West 44th Street

N. L. Huebsch Tel., Murray Hill 2-4871

Entered as second-class matter December 14, 1933, at the post-office at Chicago, Ill., under the act of March 3, 1879.

SUBSCRIPTION PRICE, \$1.00 per year; outside United States, \$1.50. Single copies, 10c.

ADVERTISING RATES on application. Forms close on 10th of month for mid-month issue and on 25th of previous month for first-of-month issue. If proofs are wanted, copy should be on hand one week earlier.

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FAITH IN THE FUTURE.

Their close attachment to the business and faith in its future is no better illustrated than by the desire of nurserymen to hand their enterprises down to their sons and the pride of sons to follow in the calling of their fathers. Seldom is it expressed in words and rarely so well as the short paper on "Future Nurserymen" by J. T. Foote, of the Durant Nursery Co., Durant, Okla., read at the recent meeting of the Oklahoma State Nurserymen's Association. He wrote:

"Judging the future by the past, I think we can safely predict a glorious future for good nurserymen. The future will make definite demands for increased efficiency, better trees and plants and an improved way of handling them. The tree peddlers and 10-cent stores will continue to be a menace, but their activities will cease to be much in the way of men who love the business and carry it on in a manner calculated to do credit to themselves and their business.

"The nurserymen have improved and raised their standards faster the past few years than the most optimistic among us ever dreamed we should do. This fact should give us courage and hope for the future, because the man who makes progress in his work and uses fair methods in doing so will always succeed. Of course, progress and success can never come to any man who does not value his services and who is not capable of collecting a fair price for his products. There is no future for the cut-throat chiseler. The world still respects the men who can do things and

The Mirror of the Trade

make a decent contribution to society, and the best business always gets into their hands at fair prices. The hardest competition we have is the man who charges the highest prices for his stock and, by the way, the biggest men in our organizations are the distributors of the highest-priced catalogues, either wholesale or retail, and it is noticeable that these men get to be governors, prospective presidents or leaders in the worthwhile doings of their communities. In other words, men who render the best service and charge for it are men big enough to take leading places in society. The really strong man can live and succeed without help and coöperation from his fellow nurserymen, but we smaller men in the business must work together in harmony and organize our entire group and make every possible effort to whip the evil of price-cutting and other practices that will damage the future of our business.

"The hope in the future of the nurseryman depends on his efforts to control himself. If we will only accept the fact that we cannot be the cheapest sellers, if we will work hard to improve our standards both in quality of stock and the service we render, if we will keep confidence in one another and in ourselves, we shall inspire greater confidence in the public. The confidence of the public is the greatest asset a nurseryman can have. There is always a strong demand for the man who can see ahead and who can force his way successfully through difficulties, who can plan wisely and work diligently to carry his plan through.

"My faith in the future grows stronger each year. I love the business, and I have encouraged my four children to engage in it and to make all preparation for the future. Accordingly, my sincere wish is that all of my children's children will be among the future nurserymen, and I repeat my prediction of a glorious future for good nurserymen."

OIL sprays should not be applied when it seems likely that rain or snow will quickly follow the application, or when the temperature seems likely to drop to the freezing point before the spray has thoroughly dried.

LIRIODENDRON TULIPIFERA.

Liriodendron Tulipifera, known variously as the yellow poplar, saddle tree, canoe wood, whitewood, blue poplar, but more commonly as the tulip tree, is one of the tallest of American trees, exceeded in height only by the plane tree. It often grows to 150 feet in northern states, and in maturity it has a broad, spreading head with the straight trunk devoid of branches to a great height. The specimen pictured on the cover is a young tree.

Few trees equal the tulip tree as an ornamental shade or street tree, and with its stately and formal contour, glossy foliage, bright flowers and golden color it presents an effective specimen throughout the year.

The bark of this tree is somewhat like that of the ash, but it is lighter and has less diamond-shaped furrows. The brown smooth bark of the twigs is aromatic. The flowers, which are tulip-shaped with greenish-white petals, are nearly two inches in length and orange-colored at the base. These flowers, together with the pyramidal growth and the broad 4-lobed, saddle-shaped leaves, make a decorative specimen for lawn planting. The terminal buds are shaped like a duck's bill, and the cone-like fruits are made up of winged seeds.

The tulip tree prefers a rich, moist soil, and if these conditions are provided no difficulty will be experienced in establishing this tree.

Besides the ornamental value of the tree, the wood has varied commercial uses, being used for shingles, brooms, woodenware and interior finishing of boats.

When being moved, it should be balled and burlapped, as it is difficult to transplant. Nursery stock of this tree should be transplanted every two years in light soil. It will be found that trees 3 years old or younger are easiest to transplant. Propagation is by seeds, which have low fertility and should be sown as soon as ripe. The tulip tree is hardy from Massachusetts to Indiana and south to Florida.

ABOUT 300,000 mature trees are needed each year to manufacture 287 billion wooden matches in the United States.

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[Registered U. S. Patent Office]

The Chief Exponent of the American Nursery Trade

*The Nurseryman's Forte:
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VOL. LXX

JULY 1, 1939

No. 1

All Aboard for Portland!

Large Attendance Expected at A. A. N. Convention to Enjoy Pacific Coast Hospitality and Engage in Interesting Business Program of Sixty-Fourth Annual Meeting

With reservations on the special train out of Chicago and St. Paul nearing 125, besides a considerable number of easterners motoring out and a large number expected from the Pacific coast states, the attendance at the convention of the American Association of Nurserymen at Portland, Ore., seems likely to approximate that of gatherings held in the central part of the country in other years. The committee has revised earlier estimates of possible registration from 325 to nearer the 400 mark, which was that of the Detroit meeting last year.

At the outset, apprehensive of the possible handicaps on the convention attendance of the expense and time required for the journey to Portland from the eastern and central states, the committee on arrangements sought to overcome them by the strongly attractive features of the entertainment program, having the advantage of location in an area abounding in scenic and horticultural interests. How generous a program has been prepared was told in detail in the June 15 issue. In its publicity the committee has been as thorough as in the preparation of the program. It has had the coöperation of local chambers of commerce, state highway bureaus and other groups, with the result that no less than fifteen separate pieces of mail were directed to A. A. N. members, in addition to whatever information was included in the recent news-letters from the executive secretary's office at Washington. Those direct-mail efforts were supplemented by the detailed accounts of entertainment, places of scenic interest and other points of interest in

that part of the country which have appeared in the columns of this magazine during the past few months.

The committee which has by its hard work achieved its goal of drawing a large convention attendance to a far corner of the country is headed by E. "Mike" Dering, with two vice-chairmen, Paul Doty and Wayne McGill. Other members from the northwest are C. Bert Miller, Milton, Ore.; Earl C. Houseweart, Woodburn, Ore.; J. Frank Schmidt, Troutdale, Ore.; A. C. Peterson, Scappoose, Ore.; H. M. Eddie, Mount Vernon, Wash.; Howard E. Andrews, Seattle, Wash., and A. H. Steinmetz, Portland, Ore.

So that the visitors would derive the greatest value and enjoyment from a trip to the Pacific coast, California nurserymen have arranged to entertain them after the convention, at San Francisco and at Los Angeles. Attending to this phase of the convention preparations, those serving on the arrangements committee were Ray D.

Hartman, San Jose, Cal.; George C. Roeding, Jr., Niles, Cal.; Harry Marks, Los Angeles, Cal., and John H. Van Barneveld, Puente, Cal.

The business sessions of the convention contain much of interest, occupying two full days and the closing morning's session. Among the reports of committees of particular importance this year are those of the standardization committee, covering the revision of "Horticultural Standards"; the market development committee, containing proposals for publicity work; the trade barriers committee, reflecting the widespread attention to hindrances to business across state lines; the quarantine committee, concerned with the revision of the federal plant quarantine act, and the legislative and executive committee, having to do with a wide variety of federal legislation affecting nurserymen during the past year.

Four headliner addresses have been scheduled, each by a prominent speaker. The preceding issue told about Lloyd C. Stark, governor of Missouri, who will speak on interstate trade barriers; V. M. Ekdahl, Los Angeles, on advertising and selling, and Frank B. Wire, state game supervisor, on Oregon wild life.

The fourth speaker will be John E. Doerr, Jr., park naturalist at Crater Lake national park. He has served in that capacity since December, 1935, when he left a similar post in the Hawaii national park, where he had been since April, 1931. As park naturalist he has been in charge of scientific research, interpretative activities for visitors and publicity. During five years in Hawaii national park he experienced and observed four vol-



John E. Doerr, Jr.

canic eruptions. These and his studies in Hawaii have proved an excellent background for research and interpretation at Crater Lake and Lava Beds national monument, the two monuments being administered by the staff of Crater Lake national park. In his present position he has had supervision of a scientific research program embracing the natural sciences of geology, botany, history, zoölogy and limnology, as well as the supervision of the installation and operation of an art exhibit interpreting scenic values of Crater lake. He was born at Mount Vernon, Ind., thirty-seven years ago, received his A.B. and M.A. degrees in geology at the University of Wisconsin. After doing graduate work at Pennsylvania State College, he became professor of geology at North Dakota agricultural college in 1924, leaving there to enter the national park service in 1931.

On the Way.

Travelers who arrive in Chicago early will find some of their fellows at the Hotel La Salle, which will be headquarters for nurserymen who have time to spend there before the train leaves, states W. J. Smart, chairman of the transportation committee.

Those from the south and west who will join the special train at St. Paul can meet other nurserymen at the Lowry hotel, which has been selected as headquarters, according to Gordon Bailey, of the J. V. Bailey Nurseries, St. Paul.

The special train will arrive at Seattle at 7:45 a. m. July 8, and nurserymen who prefer to spend their time in and about that city, instead of making the boat trip to Victoria, B. C., may have until midnight to visit with their Seattle hosts.

George Verhalen remarks that nothing has been said in these columns about the kind of wearing apparel needed in the mountains of the north-west and in the cool evenings at San Francisco. For those unfamiliar with the climate, it should be noted that light overcoats are quite necessary.

ON SPECIAL TRAIN.

Reservations on the special train from Chicago and St. Paul to the Portland convention were obviously incomplete at the hour of going to press, June 26, with probably a score of prospects unlisted. Those who

[Concluded on page 6.]

Chapter Delegates

*Official List of Representatives on the A. A. N.
Board of Governors to Meet at Portland Convention*

1. OHIO.

H. N. Scarff, New Carlisle.
Thomas Kyle, Tippecanoe City.
J. L. Harrison, Painesville.
R. P. Cook, Geneva.

Alternate: J. H. Burton, Casstown.

2. MICHIGAN.

Benjamin J. Greening, Monroe.
Walter Coon, Farmington.
Arthur L. Watson, Grand Rapids.

Alternate: Bert Monahan, Romeo.

3. ILLINOIS.

William J. Smart, Dundee.
Arthur L. Palmgren, Glenview.
R. C. Becker, Western Springs.
A. J. Cultra, Onarga.

Alternates: Charles Fiore, Prairie View;
Henry Bock, Naperville; Jacob Simon-
sen, Glenview.

4. TENNESSEE.

S. R. Howell, Knoxville.
F. C. Boyd, McMinnville.

Alternates: R. H. Jones, Nashville; Lee
McClain, Knoxville.

5. NEW ENGLAND.

Cornelius van Tol, Falmouth, Mass.
Isaac Williams, Exeter, N. H.
Lloyd Hathaway, North Abington, Mass.
Louis Vanderbrook, Manchester, Conn.
Hugo de Wildt, Greenwood, R. I.
Donald Wyman, North Abington, Mass.
Lester W. Needham, Springfield, Mass.
Henry Verkade, New London, Conn.

Alternates: V. J. Vanicek, Newport,
R. I.; Charles Williams, Exeter, N. H.;
Fred Baker, Cheshire, Conn.; Walter
Stranger, West Newbury, Mass.; Clinton
Wallace, South Portland, Me.; Seth Kel-
sey, East Boxford, Mass.; Joel Barnes,
Yalesville, Conn.; Louis Reardon, Abing-
ton, Mass.

6. DEL-MAR-VA.

7. KENTUCKY.

Louis Hillenmeyer, Lexington.

8. PENNSYLVANIA.

Frank LaBar, Stroudsburg.
Robert Pyle, West Grove.
Lewis Wissenbach, Pittsburgh.
Harold G. Seyler, Weiser Park.
Eugene Muller, Norristown.

Alternates: Conrad Albrecht, Altheim;
J. J. Styer, Concordville; Albert F. Meehan,
Dresher.

9. NEW JERSEY.

William Flemer, Jr., Princeton.
Charles Hess, Mountain View.
William Wells, Millville.

10. IOWA.

Harold S. Welch, Shenandoah.
A. J. Bruce, Des Moines.
C. C. Smith, Charles City.
F. A. Lake, Shenandoah.

Alternates: E. S. Welch, Shenandoah;
H. J. Deems, Charles City; W. J. Hughes,
Cedar Rapids; R. S. Lake, Shenandoah.

11. INDIANA.

Clarence Wesdrop, Middlebury.
Alternate: Kenneth or Vernon Krider,
Middlebury.

12. OREGON.

Paul Doty, Portland.
J. Frank Schmidt, Troutdale.

Alternates: Earl Houseweart, Wood-
burn; Ray Simpson, Troutdale.

13. ALLIED (NEW YORK).

F. J. van Melle, Poughkeepsie.

Alternate: Howard C. Taylor, Tarry-
town.

14. WESTERN NEW YORK.

L. P. Akenhead, Newark.
Charles H. Perkins, Newark.
D. C. Brown, Rochester.
W. J. Maloney, Dansville.

Alternates: R. L. Holmes, Newark; Paul
Fortmiller, Newark; Howard Maloney,
Dansville; L. J. Engelson, Newark.

15. WISCONSIN.

W. G. McKay, Madison.

Alternate: James Livingstone, Milwau-
kee.

16. MISSOURI.

A. E. Weston, Neosho.
Edwin J. Stark, Louisiana.
C. A. Chandler, Kansas City.

Alternates: William A. Weber, St.
Louis; Paul Stark, Louisiana; Henry En-
dres, Clayton.

17. VIRGINIA.

Owen G. Wood, Bristol.

18. LONG ISLAND (NEW YORK).

Joseph Bulk, Babylon.

Alternate: W. E. Corrigan, Brookhaven.

19. MINNESOTA.

Vern Johnson, Lake City.

Alternate: Delbert Mitchell, Owatonna.

20. NEBRASKA.

Chet Marshall, Arlington.

Alternate: Lloyd Moffett, Fremont.

21. CALIFORNIA.

John A. Armstrong, Ontario.
Harry Marks, Los Angeles.
Harold McFadden, Compton.

Alternates: Richard Westcott, Los
Angeles; R. D. Hartman, San Jose; Al-
bert Morris, San Fernando.

22. NORTH ALABAMA.

23. KANSAS.

A. E. Willis, Ottawa.

24. OKLAHOMA-ARKANSAS.

Jim Parker, Tecumseh, Okla.

25. TEXAS.

Hugh Duncan Henderson, Athens.
Carl Shamburger, Tyler.

Alternates: C. C. Mayhew, Sherman;
A. L. Thompson, Tyler.

26. DAKOTA.

George Gurney, Yankton, S. D.

27. SOUTHERN.

Herman Owen, Columbus, Miss.

28. WASHINGTON.

H. M. Eddie, Mount Vernon.

California Committee Welcomes

Nurserymen of San Francisco and Los Angeles Areas Await Arrival of Convention Visitors with Entertainment Plans Complete for Week Following Portland Meeting

The nurserymen of California will be happy to welcome all visiting nurserymen and their families upon their return from the Portland convention.

Here in the San Francisco bay section we have arranged what we believe is a most interesting and enjoyable itinerary. Our committees have met on numerous occasions during the past few months and planned several days of interesting and educational trips, visiting the points of interest that we feel would most appeal to you. Without going into detail, the first sight you will see when you arrive in Oakland will be the Oakland San Francisco bay bridge and Golden Gate bridge, two of the greatest pieces of engineering enterprise. It will be a thrill to ride over both of these bridges. You will be taken through the famous Golden Gate park, which is known all over the world, and see what a beautiful creation man can make out of a once useless sand dune. We are sure you will also enjoy a trip through the University of California, as well as the Stanford University campus, for there are many interesting things to see on the grounds of these two universities.

Taking you into another phase of life, we have arranged a trip to San Francisco's famous Chinatown. To try to tell you all the sights you will see here would take a large-size book, but even to us who have visited this place many times, there is still a real thrill out of it each and every time we visit Chinatown.

With equal enthusiasm we talk of the marvelous California redwoods, *Sequoia sempervirens*, because we know you will appreciate the opportunity to see the largest and oldest species of trees in the world. What could be more alluring than to dine among these giants of the forest—and that is what you will do, as we have arranged an appetizing luncheon before taking you to other points of interest.

When you are really hungry we have arranged an old-time western barbecue at the grounds of the California Nursery Co., at Niles, the like

of which you no doubt never had before.

You will be given an opportunity to see the Golden Gate international exposition, Treasure island, in groups or in your own individual way, for we know you all will want to visit Treasure island sometime during your stay in this section. Here again, to attempt to give you any detailed description of what you will see would be an arduous task, but you can take our word for it, it is worth seeing several times.

Proper transportation has been arranged so that you will see all I have mentioned above, and much more, so that you will be able to have plenty of time, so that you can absorb some of the atmosphere.

In conclusion, let me say the few days we plan on acting as your host we have set aside our time for you exclusively, and if you desire individual trips, such as visiting nurseries in this section, we shall be on hand to assist you.

Ray D. Hartman, Chairman.

AT LOS ANGELES.

The nurserymen of southern California await with pleasure the arrival

in Los Angeles of the association members. We shall certainly try to make their stay a pleasant one, and we assure them that any time spent here will be of value.

Our program in southern California is as published, although something further may develop later on.

There are several nurseries in the territory worth while visiting such as Paul J. Howard's, at Third and La Brea, Los Angeles; Armstrong's, at Ontario; Evans & Reeves, 255 South Barrington, West Los Angeles; Coolidge's Gardens, in Pasadena, and the Rust Nursery, in Pasadena. These are the outstanding ones, although there are several others which would be interesting. Harry A. Marks.

FRISCO FAIR GARDENS.

Out-of-state visitors and Californians alike are impressed by the splendid effects which have followed the planting under California's favorable climatic conditions of the 280 acres of gardens on Treasure island, the site in San Francisco bay of the Golden Gate International Exposition. These gardens represent an investment of one and one-half million dollars.

One of the interesting exhibits which nursery and horticultural enthusiasts are enjoying is the exhibit of the California Nursery Co., Niles, Cal. Here a replica of the early California adobe structure on the Niles property is to be found near the Homes and Gardens building and adjacent to the section showing the model homes, occupying 14,000 square feet of gardens. Frederick Reimers was the architect.

Colored motion pictures are shown daily, and garden experts conduct visitors through the nursery's exposition gardens. Visitors are invited to make it their headquarters, to rest and enjoy its many features of interest.

The gardens contain native California trees, including the California big tree, *Sequoia gigantea*; California redwood, *Sequoia sempervirens*; Monterey pine, California bay and California juniper. Among the exotics are olives, oranges, loquats and



H. A. Marks and R. D. Hartman.

the popular strawberry tree, *Arbutus unedo*. Bulbs have been in bloom all spring, including the newest domestic and imported Holland varieties. One yellow tulip of special interest was named in honor of John McLaren, creator of Golden Gate park.

This exposition garden was planned by the nursery to show a typical California effect such as any amateur garden maker might create in his own garden. The general impression is colorful yet restful and pleasing. Flower beds will offer a succession of colors and flower varieties, new each month.

The building, a replica of "Old Adobe," provides ample rest facilities. A cheery log fire awaits visitors in the evenings and on cooler days. Construction is of Bitudobe brick, a recent development in wall material, and the roof is of handmade tile.

Accent of mass plantings of flowers against backgrounds of permanent materials gives the courts of the exposition varied horticulture pictures. Outstanding is the Court of Flowers, which offers a scheme of mixed colorings featuring Pink Pearl and other rhododendrons with pansies, backed by 60-foot Italian poplars, three eucalyptus varieties, twenty-eight flower-

ON SPECIAL TRAIN.

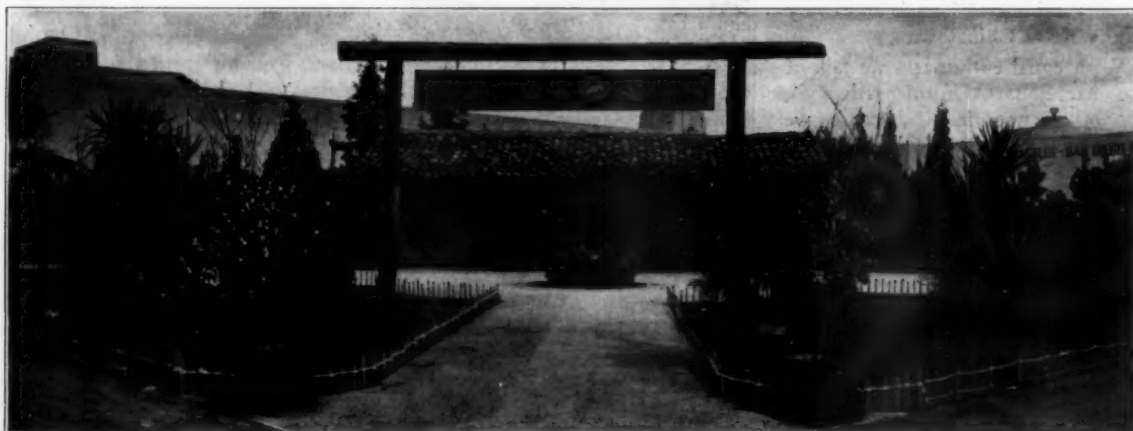
[Concluded from page 4.]

definitely had engaged space include the following, in some cases being accompanied by relatives or friends only indicated:

Akenhead, L. P., wife and son, C. W. Stuart Co., Newark, N. Y.
Baker, Edward L., and wife, Baker Bros. Co., Fort Worth, Tex.
Becker, R. C., Vaughan's Nursery, Western Springs, Ill.

Bobbink, L. C., Bobbink & Atkins, Rutherford, N. J.
Boyd, F. C., Boyd Nursery Co., McMinnville, Tenn.
Bunting, C. A., Bunting's Nursery, Selbyville, Del.
Burr, Charles S., C. R. Burr & Co., Manchester, Conn.
Carr, O. E., M. L. Carr's Sons, Yellow Springs, O.
Cassinelli, Peter, wife and children, Glendale Nurseries, Glendale, O.
Champion, Art, Champion Nursery, Perry, O.
Chandler, C. A., and wife, Chandler Landscape & Floral Co., Kansas City, Mo.
Deems, Harley J., wife and children, Sherman Nursery Co., Charles City, Ia.
Fiore, Charles, Fiore Nurseries, Prairie View, Ill.
Fiorelli, John, and wife, Cleveland, O.
Hanner, W. T., North State Nurseries, Julian, N. C.
Hathaway, Lloyd A., Littlefield-Wyman Nurseries, North Abington, Mass.
Hess, Charles, Hess' Nurseries, Mountainview, N. J.
Hirt, Harry L., Gardenview Nursery, Cleveland, O.
Howard, Joe, Shenandoah Nurseries, Shenandoah, Ia.
Howell, S. R., Howell Nurseries, Knoxville, Tenn.
Hughes, W. J., Cedar Rapids Nursery Co., Cedar Rapids, Ia.
Hunziker, H. E., and wife, M. J. Hunziker & Sons, Niles, Mich.
Hunziker, L. A., and wife, Brooklyn, N. Y.
Jenkins, E. M., and wife, Jenkins Nursery, Winona, O.
Junginger, Karl, McKay Nursery Co., Madison, Wis.
Kelly, William, and wife, Kelly Bros. Nurseries, Dansville, N. Y.
Kelsey, Harlan P., Kelsey-Highlands Nursery, East Boxford, Mass.
Kemp, E. H., Bountiful Ridge Nurseries, Princess Anne, Md.
Kennedy, W., Sun Ridge Nursery, Greenwich, Conn.
Kilner, F. R., American Nurseryman, Chicago, Ill.
La Bar, Frank S., La Bars' Rhododendron Nursery, Stroudsburg, Pa.
Lake, R. S., and wife, Shenandoah Nurseries, Shenandoah, Ia.
Lovett, Lester C., and son, Diamond State Nurseries, Milford, Del.
McClain, Lee, Washington Heights Nursery, Knoxville, Tenn.
McKay, W. G., McKay Nursery Co., Madison, Wis.

McKee, G. A., Jacksonville, Tex.
McLane, S. R., Nichols Investment Co., Kansas City, Mo.
Mackenzie, M. C., and wife, Benjamin Chase Co., Derry, N. H.
Maloy, C. J., Rochester, N. Y.
Marshall, Chet G., wife and daughter, Marshall's Nurseries, Arlington, Neb.
Matzinger, Otto, wife and daughter, Highland Park Nursery, Sterling, Ill.
Meehan, Albert F., and wife, Thomas B. Meehan Co., Dresher, Pa.
Muller, Eugene, and wife, De Kalb Nurseries, Norristown, Pa.
Palmgren, Arthur, Palmgren's Nurseries, Glenview, Ill.
Schumaker, Paul J., wife and son, Call's Nursery, Perry, O.
Seyler, H. G., and wife, Farr Nursery Co., Weiser Park, Pa.
Siebenthaler, Clarence O., Siebenthaler Co., Dayton, O.
Smart, W. J., and wife, D. Hill Nursery Co., Dundee, Ill.
Smith, C. C., Sherman Nursery Co., Charles City, Ia.
Snyder, D. C., Snyder Bros., Inc., Center Point, Ia.
Spielman, J., and wife, Spielman & Son, Adrian, Mich.
Stark, Clay H., Stark Bros.' Nurseries & Orchards Co., Louisiana, Mo.
Stark, Edwin, and wife, Stark Bros.' Nurseries & Orchards Co., Louisiana, Mo.
Stark, Paul C., Stark Bros.' Nurseries & Orchards Co., Louisiana, Mo.
Stoner, J. E., wife and daughter, Westminster Nursery, Westminster, Md.
Tweed, M., and wife, Tweed Nurseries, Jamestown, R. I.
Vanderbrook, Louis C., C. L. Vanderbrook & Sons, Manchester, Conn.
Van Melle, P. J., Poughkeepsie Nursery Co., Poughkeepsie, N. Y.
Van Tol, C. P., Cape Cod Nurseries, Falmouth, Mass.
Welch, Harold S., Mount Arbor Nurseries, Shenandoah, Ia.
Wells, William, Cumberland Nurseries, Millville, N. J.
White, Richard P., Washington, D. C.
Wilkinson, Paul, Henry Field Seed Co., Shenandoah, Ia.
Williams, G. B., Neosho Nursery, Neosho, Mo.
Williams, Isaac Langley, Exeter, N. H.
Wilson, Floyd B., and wife, Dayton Fruit Tree Label Co., Dayton, O.
Wyman, Donald D., Bay State Nurseries, Inc., North Abington, Mass.



Reproduction of Famous "Old Adobe," Exhibit of California Nursery Co. at San Francisco World's Fair.

COMPLETE CONVENTION PROGRAM

SATURDAY, JULY 8.

- 9:00 A.M. Registration. Colonial room, mezzanine floor, Multnomah hotel. Those desiring to visit nurseries may arrange for transportation at the information desk, Colonial room.

SUNDAY, JULY 9.

- 7:00 A.M. Arrival of special train, Union station.
 9:00 A.M. Registration. Colonial room.
 2:00 P.M. Three hours of relaxation: Scenic drive, visiting famous Lambert Gardens and International Rose Test Gardens.
 8:00 P.M. Organization meeting of board of governors, all members invited. Grand ballroom.
 8:00 P.M. Meeting, All-America Rose Selections, W. Ray Hastings, chairman. Junior ballroom.

MONDAY, JULY 10.

- 8:00 A.M. Breakfast meeting of Retail Nurserymen's Association, Harold P. Paul, secretary. Rose room.
 9:00 A.M. Registration. Colonial room.
 10:00 A.M. Ornamental Growers' Association, C. J. Maloy, secretary. Marine room.
 10:00 A.M. All-America Rose Selections. Junior ballroom.
 10:00 A.M. Mail Order Nurserymen's Association, E. H. Burgess, president. Room 111.
 1:00 P.M. Women's Auxiliary luncheon, Oswego Country Club.
 2:00 P.M. Fruit Tree Growers' Association, C. J. Maloy, secretary. Marine room.
 3:30 P.M. American Nurserymen's Protective Association, C. J. Maloy, secretary. Marine room.
 8:00 P.M. Roundup at the "Dude Ranch."

TUESDAY MORNING, JULY 11.

- 9:30 A.M. Convention called to order, by President Chet G. Marshall.
 Distribution of door prize numbers.
 Invocation, by Dr. W. T. Milliken.
 Address of welcome, by Hon. Charles A. Sprague, governor of Oregon.
 Response, by Owen G. Wood, vice-president.
 Announcements by E. "Mike" Dering, chairman of arrangements committee.
 10:10 A.M. President's address, by Chet G. Marshall.
 10:40 A.M. Report of treasurer, by Owen G. Wood.
 10:50 A.M. Report of executive committee, by Clarence O. Siebenthaler.
 11:30 A.M. "Thought-provoking Ideas on Advertising and Selling," by V. M. Ekdahl, manager of Swift & Co. refinery, Los Angeles, Cal.
 12:15 P.M. Appointment of temporary committees.
 12:30 P.M. Adjourn for luncheon.

TUESDAY AFTERNOON, JULY 11.

- 2:00 P.M. "Oregon Wild Life," illustrated in colored motion pictures, by Frank B. Wire, Oregon state game supervisor.
 2:45 P.M. Report of legislative committee, by Clarence O. Siebenthaler.
 3:00 P.M. Report of executive secretary, by Richard P. White.
 3:30 P.M. Board of governors' meeting. All members invited.
 3:30 P.M. Women's Auxiliary tea, at Meier & Frank Co.
 8:00 P.M. "Dude Ranch" goes on.

WEDNESDAY, JULY 12.

- 9:00 A.M. Mount Hood loop trip via scenic Columbia river highway; Chinook salmon bake near Bonneville dam, returning via Timberline lodge for informal dinner dance.

THURSDAY MORNING, JULY 13.

- 9:30 A.M. Reports of chairmen of standing committees and discussion:
 Arboretum, by Robert Pyle.
 Market development and publicity, by Paul Stark.
 Quarantine, by Albert F. Meehan.
 Trade barriers, by Lee McClain.
 Nomenclature, by Harlan P. Kelsey.
 Transportation and traffic, by Charles Sizemore.
 Standardization, by William Flemer.
 Co-operation with U. S. D. A., by Henry B. Chase.

U. S. Chamber of Commerce, by Robert Pyle, councilor.

Vigilance and arbitration, by Richard P. White.
 Trade practices and ethics, by Louis C. Hillenmeyer.

Trade relations, by D. Barrett Cole.

- 11:30 A.M. "Interstate Trade Barriers," by Hon. Lloyd C. Stark, governor of Missouri.

THURSDAY AFTERNOON, JULY 13.

- 2:00 P.M. "Our National Parks," illustrated in colors, by John E. Doerr, Jr., park naturalist, Crater lake national park.
 3:00 P.M. Unfinished business.
 4:00 P.M. Board of governors' final meeting.
 7:00 P.M. Annual banquet, floor show, dancing.
 11:00 P.M. Last roundup at the "Dude Ranch."

FRIDAY, JULY 14.

- 9:30 A.M. Distribution of door prize numbers.
 Report of actions taken by board of governors and executive committee.
 Reports of affiliated organizations.
 New business.
 Resolutions.
 Report of necrology committee.
 Report of auditing committee.
 Report of committee on addresses.
 Selection of 1940 convention city.
 Election of officers.
 Presentation of new officers.
 12:30 P.M. Adjournment sine die.

POST-CONVENTION ACTIVITIES IN CALIFORNIA.

SATURDAY, JULY 15.

- 8:15 A.M. Leave Portland via Southern Pacific railroad, excursion tickets previously validated at registration desk.

SUNDAY, JULY 16.

- 7:00 A.M. Arrive Sixteenth street station, Oakland, Cal. Visitors will be met and conducted via busses over Bay bridge, past Treasure island to Hotel Whitcomb, San Francisco, official headquarters.
 P.M. Scenic trips scheduled for visits to Twin peaks, Golden Gate park and Golden Gate bridge in the afternoon.
 P.M. Evening get-together, at Hotel Whitcomb.

MONDAY, JULY 17.

- A.M. Trip by bus via Golden Gate park and Skyline boulevard to California redwood park. Luncheon at Brookdale lodge.
 P.M. Return via Santa Cruz mountains, through Los Gatos and San Jose, arriving 4 P.M. at Niles, where nurserymen will be guests of George C. Roeding, Jr., California Nursery Co., at a barbecue dinner. Return to San Francisco.

TUESDAY, JULY 18.

Special designation, Nurserymen's Day, at Treasure island, Golden Gate International Exposition. Entertainment, dinner and dancing arranged.

WEDNESDAY, JULY 19.

Open for further visits to exposition or nurseries, or traveling to southern California. Official headquarters, Biltmore hotel, Los Angeles.

THURSDAY, JULY 20.

- P.M. Trip to Huntington Botanical Gardens, San Marino, near Pasadena.

FRIDAY, JULY 21.

- A.M. Visits to moving picture studios, movie stars' homes and residential districts.
 P.M. Barbecue, guests of Roy F. Wilcox nurseries, Montebello, barbecue.

SATURDAY, JULY 22.

Open for nursery trips and visits to special attractions.

AMERICAN ASSOCIATION OF NURSEYMEN

RICHARD P. WHITE, EXECUTIVE SECRETARY

636 SOUTHERN BLDG., WASHINGTON, D. C.

FEDERAL LEGISLATION.

Bills before Congress.

Although forty bills have been introduced at the current session to amend the national labor relations act and the wages and hours act, none has yet been passed by either branch of Congress. According to Richard P. White, A. A. N. executive secretary, there is no chance of amending the national labor relations act at this session. Because of two defeats in the House of Representatives on the Norton amendment to the wages and hours act, chances of amendment are dimmed, but still are fifty-fifty, he says. The Boykin bill, amending the plant quarantine act of 1912, will in all probability not be further considered at this session. Social security amendments passed the House of Representatives June 10, and their effect on nurserymen was reported in the June 15 issue of this magazine.

Social Security Amendments.

Two changes in the amendments to the social security law were proposed to the Senate finance committee in behalf of A. A. N. members. One was to insert in paragraph 4 of the definition of agricultural labor the word "planting" so that the phrase would read "handling, planting, packing, packaging," etc. If this is accomplished, landscape employees would be exempt, even though more than fifty per cent of their time were spent away from the nursery. The other proposal is the elimination of the amendment which would bring salesmen and agents under the provisions of the social security law.

As explained in the June 15 issue, under the amendments passed by the House, nurserymen employing men to do landscape work off the nursery farm could avoid tax payments by arranging the work so that no employee spent more than fifty per cent of his time off the nursery during one pay period. While some firms could adjust their employment to meet this condition and so obtain complete exemption, other firms could not. The adding of the word "planting" would avoid any discrimination.

Many organizations are even more interested than nurserymen in the exemption of independent salesmen from the terms of the social security law, such as the Association of Direct Selling Agencies. A member of the Senate finance committee has agreed to offer an amendment to eliminate the clause affecting salesmen. If adopted by the Senate, it would be a matter for the conference committee on the bill, which would be likely to view the matter favorably. These amendments would save nurserymen large sums of money in their social security taxes.

Shelter Belt.

The shelter belt will be continued by relief funds. The recent bill as originally written in the House appropriations committee eliminated all W.P.A. funds for federal projects; that is, those projects supported entirely by federal funds without any local sponsorship and financial cooperation. This would have eliminated the shelter belt project. A move by a group of midwestern congressmen to earmark funds for the shelter belt project brought action by the A. A. N. secretary's office, with the result that considerable opposition was manifested. But support of the midwestern group of congressmen by other groups interested in other federal W.P.A. projects resulted in the amendment of the relief bill so as to allow \$50,000,000 to be expended for the federal projects, or \$10,000,000 less than last year.

PASS TAX BILL.

The bill revising corporate taxes that passed the House of Representatives last month, with subsequent approval by the Senate, ended the undistributed profits tax and in some other ways was advantageous to corporations. Following are changes that may affect nurserymen:

A flat income tax of eighteen per cent, applicable to corporations with net income in excess of \$25,000, is substituted for the present combination of income and undistributed profits tax, which ranges between sixteen and one-half and nineteen per

cent and terminates at the end of this year.

Corporations with net incomes of \$25,000 and less will continue to pay at the present rates, which range from twelve and one-quarter to sixteen per cent.

Special provision is made to prevent corporations with incomes slightly in excess of \$25,000 from paying the full eighteen per cent. These corporations are taxed on their first \$25,000 under the formula provided for smaller corporations and are subject to a special rate of thirty-two per cent on income in excess of \$32,000. This special provision will benefit corporations with net incomes of less than \$31,964.

Corporations, partnerships and individuals will be permitted to carry over their net operating losses for two years, starting with net losses in 1939.

Corporations will be permitted to increase their capital stock valuations for the fiscal years ending June 30, this year, and June 30, next year, for capital stock and excess profits tax purposes.

The \$2,000 limit on the amount of capital losses which a corporation may apply against ordinary income is repealed. Provision is made under which all long-term capital losses, or losses on assets held more than eighteen months, may be deducted from ordinary income in the year in which the losses occur. Short-term capital losses, or losses on assets held less than eighteen months, may be deducted from short-term capital gains in the next year.

ABOLISH VIRGINIA FEE.

Beginning September 1, the Virginia nursery registration fee of \$10 will be abolished, according to G. T. French, state entomologist.

However, it will be necessary for out-of-state nurserymen to file with the division of plant industry each year, prior to shipping, a copy of their certificates of inspection. These firms must also purchase official Virginia tags at cost, bearing the facsimile signature of the state entomologist, and these tags must be attached to each shipment of nursery stock going into the state of Virginia.

Under the revised regulations it is illegal for nursery stock to be shipped into Virginia unless accompanied by the official Virginia tag.

Compiling a New Nursery List

Eighth and Concluding Article on Selection of Superior Varieties of Deciduous Woody Ornamental Plants, Covering Standard Trees — By L. C. Chadwick

In this final discussion of a new nursery list of deciduous, woody, ornamental plants, we come to group 7, standard trees, reaching thirty feet or more in height. These plants are presented as in the previous groups, in three classes: Selected list, secondary list and plants to discard. The selected list of thirty plants is divided into two groups by size, medium to large, and medium to small. Most of the narrow upright trees are in the latter group. In many cases they are slow-growing and shorter than the species at maturity. These narrow upright trees, which vary considerably in growth habit, are useful in landscape planting. As screens, trees for narrow streets or lawn specimens, they are excellent. Nothing much needs to be said about the uses of standard trees; their place in landscape beautification is appreciated by most landscape gardeners and nurserymen.

The standard trees make an imposing list of plants. It would seem to be true that there are more rare or little-used plants in the tree group than in the shrub groups. Eliminating some of the rarer trees, there still would be about fifty genera and some 250 different plants. There are many species and varieties of poplars, oaks, willows and elms which are rarely seen even in outstanding arboreta. These have not been considered in compiling these lists. The percentage of discards is not so high as with many of the shrub group, on the basis of the list compiled. It amounts to sixty per cent of the total. If a complete list of the poplars, oaks, willows and elms were included, it would be somewhat greater. The selected list amounts to twelve per cent and the secondary list to twenty-eight per cent.

As with the past discussions, this one will be limited mostly to the plants on the selected list, with comparative notes on some of those in the secondary list and discard list.

The maples are among our best shade trees. Their importance has been emphasized considerably during the past few years as the elms have increased in susceptibility to numerous insects and diseases. Most of the maples are placed in the selected

or secondary list. The list of discards includes mostly some of the varieties of the useful species which are not especially common in the trade. It does include two common species and their varieties, *A. dasycarpum* and *A. Negundo*. The faults of these two species are too well known to need comment here. For shelter belt planting *A. Negundo* may have value.

The maples vary considerably in habit of growth. *Acer platanoides*, the Norway maple; *Acer campestre*, the English maple, and *Acer Pseudo-Platanus*, the sycamore maple, are round and formal. They are dense and low-branched. *Acer campestre* is smaller than the others. The Norway and sycamore maples are both susceptible to leaf scorch, especially when used as street trees. The sycamore maple is less reliable than the Norway maple, although fully as attractive. *Acer platanoides* Schwedleri may be used where a colored foliage type is desired. It is difficult to grow grass underneath all of these maples.

Acer saccharum, the sugar maple, is possibly the most satisfactory maple of all for general planting. However, as with all the maples, it requires a rich soil, retentive of moisture. Its red and yellow autumn foliage color is excellent. *Acer nigrum*, the black maple, and *Acer rubrum*, the red maple, are of similar habit of growth, upright and spreading, but not so formal as the former group. The foliage is so large and plentiful on the black maple that it is one of the most difficult trees under which to grow grass. The red maple is far superior to the silver maple, *Acer dasycarpum*, but it is still too brittle for general recommendation.

The final group of maples is exemplified by a narrow upright habit of growth. The best of the maples of this group are *Acer platanoides ascendens*, *Acer rubrum columnare* and *Acer saccharum monumentale*, the sentry maple. These, with some other narrow upright trees that will be mentioned later, constitute an exceedingly useful group of plants. They are indispensable for narrow streets and for screens and are useful as specimens for small lawns. They are much bet-

ter than the poplars, which have been used so frequently in the past, and should replace them except, perhaps, where a quick screen is necessary. The habits of these three varieties are quite different. The sentry maple is narrow and upright with almost parallel sides. *Acer rubrum columnare* is somewhat broader and looser and not so formal. The nomenclature of the upright Norway maple seems somewhat confusing. Types have been listed as varieties *ascendens*, *columnare* and *erecta*. The plant I have in mind is the one developed in the parks at Rochester, N. Y., and listed as *Acer platanoides ascendens*. It is of narrow pyramidal habit of growth and has been successfully used as a street tree in Rochester. Nurserymen should propagate more of these upright maples. They certainly will be in demand.

Carpinus Betulus fastigiata, the pyramidal hornbeam, is compact in habit of growth and distinctly formal. It is slow-growing, but by close planting it can be readily pruned into a narrow, uniform screen. It actually requires little trimming to maintain its compact, formal habit. The other varieties of *Carpinus Betulus* and *Carpinus caroliniana* have little to commend their use.

The American beech, *Fagus americana*, is an interesting tree and of considerable value in its native habit. It requires cool, moist soil conditions and, since its roots are shallow, it will stand little tramping of the soil over the roots. It is so unsatisfactory in the hotter, dry climates that it must be relegated to the secondary list. *Fagus sylvatica*, the European beech, and its variety *heterophylla*, the fernleaf beech, seem to adapt themselves somewhat better than the American beech to general landscape planting. While the bark may not be quite so showy as that of the American beech, the foliage is more attractive. The fernleaf beech has attractive cut-leaved foliage and pleasing habit of growth. I believe if I could have only one shade tree on my lawn and it was located where it would do well, that plant would be the fernleaf beech.

The other varieties of the European beech are placed in the sec-

ondary or discard list. *Fagus sylvatica* *Riversii* and *tricolor* may be considered the best of the off-color foliage types. *F. sylvatica pendula*, the weeping beech, is probably as attractive as any of our weeping trees, but its use is limited.

Few trees possess such outstanding ornamental characters as the ginkgo. Unique in foliage, the fan-shaped leaves are entirely free from pests. Occasionally sparsely branched if not properly managed, the plant grows to a height of 100 feet or more at maturity. It is usually considered to be slow-growing, but this statement is not entirely true. If good soil con-

ditions are given, then the growth rate is satisfactory. One has only to observe the planting of ginkgo in Schenley park, Pittsburgh, Pa., as avenue trees, to note the satisfactory growth habit. The ginkgo is indifferent to soil conditions and transplants readily. Doing well in congested city districts, it makes an excellent street, lawn or park tree. The narrow upright form, *Ginkgo biloba fastigiata*, makes an excellent specimen for narrow streets, for small areas and for screen purposes where a narrow tree is necessary. It is without doubt one of our best narrow upright trees. Since the fruits have

a disagreeable odor, only male trees should be used. Plants may be readily propagated by softwood cuttings taken the latter part of June or early in July.

Another noteworthy tree is *Liquidambar styraciflua*, the sweet gum. It is comparatively free from pests and has striking star-shaped leaves, turning a brilliant scarlet color in the autumn. The gray bark and corky twigs add to its attractiveness. It should have deep, rich, moist soil for best results. Large specimens are slow to recover when transplanted, but small trees move readily when balled and burlapped.

SELECTED LIST.

Medium to large.

Acer platanoides, Norway maple.
Acer saccharum, sugar maple.
Fagus sylvatica, European beech.
Fagus sylvatica heterophylla, fernleaf beech.
Ginkgo biloba, maidenhair tree.
Liquidambar styraciflua, sweet gum.
Nyssa sylvatica, tupelo.
Quercus rubra, red oak.
Ulmus americana, American elm.
Ulmus campestris, English elm.

Medium to small.

Acer campestre, English maple.
Acer platanoides ascendens.
Acer rubrum columnare.
Acer saccharum monumentale, sentry maple.
Carpinus Betulus fastigiata, pyramidal hornbeam.
Ginkgo biloba fastigiata.
Phellodendron sachalinense, Sakhalin cork tree.
Quercus coccinea, scarlet oak.
Quercus imbricaria, shingle oak.
Quercus palustris, pin oak.
Quercus Phellos, willow oak.
Quercus Robur fastigiata, upright English oak.
Quercus texana, Texas red oak.
Salix Niobe, Niobe weeping willow.
Sophora japonica, Chinese scholar's tree.
Tilia cordata, little leaf European linden.
Tilia euchlora, Crimean linden.
Ulmus americana columnaris.
Ulmus americana Moline, Moline elm.
Ulmus campestris Wheatleyi, Wheatley elm.

SECONDARY LIST.

Acer diabolicum.
Acer nigrum.
Acer nikoense.
Acer pictum.
Acer platanoides Schwedleri.
Acer Pseudo-Platanus.
Acer rubrum.
Acer rufrinerve.
Æsculus carnea Briotii.
Æsculus octandra.
Alnus glutinosa.
Betula alba gracilis.
Betula Maximowiczii.
Betula nigra.
Betula papyrifera.
Castanea mollissima.
Castanea hybrids.
Celtis Bungeana.
Celtis jessoensis.
Celtis mississippiensis.
Cladrastis lutea.
Diospyros virginiana.

Eucommia ulmoides.
Fagus americana.
Fagus sylvatica Riversii.
Fagus sylvatica tricolor.
Fraxinus excelsior.
Fraxinus quadrangulata.
Gleditsia triacanthos inermis.
Gymnocladus dioica.
Halesia monticola.
Hemiptelea Davidii.
Hicoria ovata.
Juglans nigra.
Juglans Sieboldiana.
Larix leptolepis (Kaempferi).
Liriodendron Tulipifera.
Liriodendron Tulipifera pyramidale.
Magnolia acuminata.
Phellodendron japonicum.
Phellodendron Lavalei.
Platanus acerifolia.
Platanus occidentalis.
Populus alba Bolleana (pyramidalis).
Populus Simonii.
Populus tremuloides.
Pseudolarix Kaempferi (amabilis).
Prunus serrulata sachalinensis (Sargentii).
Prunus yedoensis.
Quercus alba.
Quercus macrocarpa.
Quercus Muhlenbergii.
Quercus Prinus (montana).
Quercus Robur.
Quercus velutina.
Salix blanda.
Salix elegantissima.
Sophora japonica pendula.
Taxodium distichum.
Tilia heterophylla.
Tilia petiolaris.
Tilia platyphyllos.
Tilia tomentosa.
Tilia vulgaris.
Ulmus foliacea stricta.
Ulmus glabra fastigiata.
Ulmus hollandica superba.
Ulmus parvifolia.
Ulmus pumila.
Ulmus racemosa.
Zelkova serrata.

PLANTS TO DISCARD.

Acanthopanax ricinifolium.
Acer campestre (most varieties).
Acer cissifolium.
Acer dasycarpum (saccharinum) and varieties.
Acer mandshuricum.
Acer Negundo and varieties.
Acer platanoides (most varieties).
Acer Pseudo-Platanus (most varieties).
Æsculus carnea (most varieties).
Æsculus glabra and varieties.
Æsculus Hippocastanum and varieties.
Æsculus hybrida and varieties.

Æsculus turbinata.
Æsculus Wilsonii.
Ailanthus glandulosa.
Alnus glutinosa (most varieties).
Alnus hirsuta.
Betula alba and most varieties.
Betula lenta.
Betula lutea.
Betula populifera and varieties.
Broussonetia papyrifera.
Carpinus Betulus and most varieties.
Carpinus caroliniana.
Castanea dentata.
Castanea japonica.
Castanea sativa.
Catalpa bignonioides.
Catalpa speciosa.
Celtis occidentalis and variety.
Euptelea polyandra.
Fagus sylvatica (most varieties).
Fraxinus americana.
Fraxinus holotricha.
Fraxinus nigra.
Fraxinus Ornus.
Fraxinus pennsylvanica and variety.
Gleditsia triacanthos.
Hicoria cordiformis.
Hicoria glabra.
Hovenia dulcis.
Juglans cinerea.
Juglans regia and varieties.
Larix dahurica and variety.
Larix europæa and variety.
Larix laricina (americana).
Larix Potaninii.
Larix sibirica.
Magnolia conspicua and variety.
Magnolia Fraseri.
Magnolia hypoleuca.
Magnolia macrophylla.
Magnolia tripetala.
Ostrya virginiana.
Phellodendron amurense.
Phellodendron chinense.
Platanus orientalis.
Populus—All other species and varieties.
Pyrus—All species and varieties.
Quercus—Other species and varieties.
Robinia Pseudoacacia.
Salix—All other species and varieties.
Sassafras variifolium.
Sorbus domestica.
Tilia americana and variety.
Tilia japonica.
Tilia mongolica.
Tilia neglecta.
Tilia platyphyllos (most varieties).
Tilia spectabilis and variety.
Ulmus alata.
Ulmus campestris (most varieties).
Ulmus foliacea (most varieties).
Ulmus fulva.
Ulmus glabra (most varieties).
Ulmus hollandica (most varieties).

In many respects *Nyssa sylvatica*, the tupelo or sour gum, resembles the sweet gum in its cultural requirements. Its habit of growth is quite distinct. Usually quite narrow and pyramidal in habit, it may become irregular and picturesque. The autumn color is a beautiful red.

It is fortunate that the cork trees have come into prominence during recent years. Having a rounded form and green foliage and being resistant to pests, the phellodendrons should be used extensively. Two of the species, *Phellodendron amurense*, the Amur cork tree, and *Phellodendron sachalinense*, the Sakhalin cork tree, attain a height of about fifty feet at maturity. The latter is probably the most satisfactory species. *Phellodendron chinense*, the Chinese cork tree, is somewhat smaller, attaining a height of about thirty feet. No difficulty is experienced in growing grass beneath the cork trees, since they cast a light shade. Slow in growth, they make suitable specimens for small and average-size lawns. Doing well in dry soil and resistant to smoke injury, they make favorable street trees for city planting. The small, yellowish-green flowers are not especially attractive, but the black fruits, persisting well after the leaves fall, add an interesting note. *Phellodendron Lavalleyi* and *Phellodendron japonicum* are not so common as the preceding species. *P. Lavalleyi* has attractive foliage and is possibly second in importance to the Sakhalin cork tree.

I believe there would be few plantmen who would seriously question the statement that the oaks constitute one of our most, if not our most, useful group of ornamental trees. Eliminating a few of the distinctly forest types, most of the species find a place on either the selected or secondary list of plants. As a rule, those types with toothed leaves are less attractive and less useful in landscape work than the lobed or entire-leaf forms. Only a few outstanding facts about these different oaks will be given.

There are two main reasons why the white oak, *Quercus alba*, is placed on the secondary list. These are its exceedingly large size at maturity, preventing its use on properties of average to small sizes, and the fact that it is moved with difficulty. Its rugged habit of growth and large branches make it an attractive feature in larger

landscapes and one of our most noble trees.

Quercus coccinea, the scarlet oak, is a wide-spreading, clean-growing oak that does well in the drier soils and exhibits an excellent scarlet autumn foliage.

Quercus imbricaria, the shingle oak, is an interesting oak of pyramidal form and has attractive narrow, entire leaves, which turn reddish brown in autumn and often remain on the tree the greater part of the winter.

Quercus macrocarpa, the mossy cup oak, is a large fiddle-shaped leaf type which resembles the white oak in habit of growth, although not so heavily branched. The branches are corky.

Quercus Muhlenbergii, the yellow chestnut oak, is a large tree with coarsely toothed leaves and a spreading habit of growth. It is of secondary importance.

Quercus Prinus (montana), the chestnut oak, is a round-headed type with toothed leaves that tolerates either dry or moist soil.

Quercus palustris, the pin oak, is one of the most useful of all the oaks for landscape planting. Pyramidal in form, it develops one central trunk and

many horizontal spreading branches, the lower ones often drooping. This species is adapted to street and lawn planting and transplants readily.

Quercus Phellos, the willow oak, is a relatively small tree as compared with most of the oaks. This small entire-leaf form, with a broad pyramidal head, is useful as a street or lawn tree. The foliage turns yellow in the autumn.

Quercus Robur, the English oak, is a species that usually develops into a relatively small, round-headed, compact plant. The leaves are dark green and remain on the tree until late in the autumn. There are many varieties of this species, but the most worthy form is *Quercus Robur fastigiata*, the upright English oak. This variety varies considerably in form. It may develop many long vertical branches, which tend to pull apart in heavy snow or rainstorms. Another and better form has shorter, stiffer branches, which may develop more horizontally. This upright English oak is one of the most important narrow upright trees.

Quercus rubra (borealis), the red oak, a round-headed oak with stout

[Continued on page 29.]

DO YOU GROW ANY OF THESE ITEMS?

Eight articles on "Compiling a New Nursery List," by L. C. Chadwick, concluded in this issue of the American Nurseryman, will be published in booklet form—at 25 cents per copy—to meet the numerous requests for the complete series.

Inquiries as to sources of supply of the plants on the selected list—likewise numerous—will be answered by including a list of nurseries marked to indicate which plant or plants each grows. There is no charge for this—it is a service to the buyers.

So that this list may be as complete as possible, subscribers are asked to advise the editor what items they grow in salable quantities, either lining-out stock or specimen sizes.

This may be done by checking the selected lists in your copies of the issues of July 1, August 15, September 15 and December 1, 1938, and April 15, May 15, June 15 and July 1, 1939, in which this series of articles appeared. Or just send in the coupon below and you will be mailed a complete list prepared for easy checking.

AMERICAN NURSERYMAN

508 South Dearborn St.,
Chicago, Ill.

Please send the selected list of plants recommended in the articles on "Compiling a New Nursery List" so that we may check the items we can supply.

Firm

By (title)

Address Street

City State

Coming Events

ON THE CALENDAR.

August 9 and 10, Pennsylvania Nurserymen's Association, State College.

August 16 and 17, Michigan Association of Nurserymen, Hotel Vincent, Benton Harbor.

September 6 and 7, Texas Association of Nurserymen, Austin.

SET WEST VIRGINIA DATE.

The newly organized West Virginia Nurserymen's Association will hold its summer meeting at Elkins, July 7, announces the secretary-treasurer, Robert A. West, of the Landscape Service Co., Parkersburg, W. Va.

An interesting program is being arranged, and all nurserymen in the state are urged to attend. All members will be advised by letter as to the meeting place and the hour.

MICHIGAN MEETING.

The program for the summer meeting of the Michigan Association of Nurserymen, to be held August 16 and 17, at the Hotel Vincent, Benton Harbor, is nearing completion. In addition to the trips to the printing establishment of the A. B. Morse Co. and the Benton Harbor fruit market, arrangements for several speakers are being made.

Concerns closely related to the nursery industry have been invited to have representatives speak at the meeting. In addition to these features, the report of the delegates to the A. A. N. convention at Portland, Ore., July 11 to 13, will be given. A report of the orchard and nursery inspection division of the Michigan department of agriculture will be given by C. A. Boyer, chief of the division.

A special women's committee is making arrangements for the local garden club to entertain wives of nurserymen at the country club. It has been the desire of the committee to have the summer meeting open to women.

A banquet will be held on the evening of August 16, and the entertainment committee promises something good and different in the way of entertainment.

A meeting of the executive committee was held at the Hotel Olds, Detroit, June 8, for the purpose of giving instructions to the delegates to the A. A. N. convention at Port-

land, Ore. The delegates to the convention are Benjamin J. Greening, Monroe; Arthur L. Watson, Grand Rapids; Walter Coon, Framington, and Harold Paul, Monroe. Mr. Paul is an alternate for B. J. Manahan, who is not making the trip. C. A. Boyer, new chief of the orchard and nursery inspection division of the department of agriculture, outlined the new policies of his department.

MASSACHUSETTS MEETING.

The one-day program for nurserymen, to be held July 27, during the Massachusetts State College farm and home week, at French hall, Amherst, has been completed by Harold S. Tiffany, assistant research professor of nursery culture, and is as follows:

10:00 A. M. "Fruit Trials at the Massachusetts State College," by R. A. Van Meter, head of the division of horticulture.

10:30 A. M. Cover crop discussion, by Paul W. Dempsey, horticulturist at Waltham field station, leader; Lloyd A. Hathaway, Cornelius Van Tol, Walter Stranger, P. J. Van Baarda, Ralph Breed.

11:30 A. M. "A Modern Consumer Visits the Nurseryman," by Ruth Bachelor Friedberg, professor of store service education, Prince school, Boston.

12:45 P. M. Luncheon at the college dining hall.

2:00 P. M. "Evaluation of Evergreens with Special Reference to Massachusetts Conditions," by Seth L. Kelsey, East Boxford.

3:00 P. M. "Activities of the Nurserymen's Associations," by Lloyd A. Hathaway, president of the Massachusetts Nurserymen's Association, and Cornelius Van Tol, president of the New England Nurserymen's Association.

NORTH CAROLINA PLANS.

The summer meeting of the North Carolina Association of Nurserymen will be held July 13 and 14, at Wrightsville Beach, near Wilmington, according to C. H. Brannon, secretary.

The program, while not yet complete, will be built around the subject of sales methods. The discussions will include modern sales methods, the replacement evil, landscape materials, getting the most from the advertising dollar, plant varieties for the future and streamlining landscape plans. These discussions will be led by O. Joe Howard, Greensboro; L. R. Casey, Goldsboro; M. L. Harkey, Charlotte; S. D. Tankard, Hickory; W. E. Campbell, Greensboro, and Harry L. Nettles, Asheville.

The staff of the department of horticulture of North Carolina State College will present papers on recent developments of interest. The Japanese beetle, phony peach disease and other matters of interest will be discussed by members of the division of entomology of the North Carolina department of agriculture. Colored moving pictures of the Japanese beetle and the white-fringed beetle will be shown.

E. I. Tinga, Castle Hayne, is in charge of local arrangements. W. C. Daniels, Charlotte, is president of the association.

ALABAMA MEETING.

A joint meeting of the Alabama State Nurserymen's Association and Alabama florists was held June 26 and 27, at the Bibb Graves center, Alabama Polytechnic Institute, Auburn. The meeting featured a discussion of the proposed joint association of Alabama nurserymen and florists. Tom Dodd, Sr., led the discussion for the nurserymen and W. W. Paterson for the florists.

Present officers of the Alabama State Nurserymen's Association are: President, T. C. King, Auburn; vice-president, O. W. Fraser, Birmingham, and secretary and treasurer, Tom Dodd, Jr., Semmes.

NEW JERSEY NOTES.

The Meadowbrook Nursery, Inc., Englewood, N. J., was awarded the contract for landscaping Meadow View Village, a 172-unit slum clearance housing project at North Bergen.

B. R. Leach, of Leach's Nursery, Riverton, N. J., is vacationing in New England after a busy spring season.

The F. & F. Nurseries, Springfield, N. J., have transported the 39-inch clipped yew hedge which adorned the office grounds to the New York world's fair, where it is a part of the landscape plan of the Canadian pavilion. The hedge was transported in forty-five 5-foot sections, balled and banded to ensure healthy arrival.

The Somerset Rose Nurseries, New Brunswick, N. J., supplied 7,000 plants of *Lavandula vera* to replace tulips for one of the private exhibits at the New York world's fair. The seeds for the plants were imported from England.

SPECTACULAR --- COLOSAL --- STUPENDUS



Charlie Chestnut
Presents

THE BUSHMANS PAGENT



BUSHMANS PAGENT.

SCENE I.

We see a mountain road, somewhere in Tennessee, many generations ago. Johnny Appleseed is riding along mounted on a mule. He is a tall, thin man with a buckskin coat and a coonskin cap. A bag of appleseed hangs over the end of the mule. He is approaching a cabin by the side of the road. Johnny Appleseed is singing to himself:

Johnny:
Over the country wide goes I,
They'll be apples bye and bye.
Rosy apples all around,
I will plant them in the ground.
An apple a day I always say
Keeps the doctor far away.

Voice from the cabin: What ails youall, stranger? Has youall got a misery? You aint got a piece of pork in that bag has you, man?

Johnny: Its Johnny Appleseed they calls me mam. Apples everyplace is my aim. For fifty years I been a ridin' my mule up and down the country aplantin' apple seeds. So I'll set some seeds there by the door and be on my way.

Johnny digs a hole and plants the seed.

Voice from the cabin: Go along old man afore the squirrels get youall.

Johnny rides off humming his apple song as we hear him off stage.

An apple a day I always say
Keeps the doctor far away . . .

CURTAIN.

Master of ceremonies: There folks, you have the story in a nut shell of how the nursery business got under weigh. We owe it all to old Johnny Appleseed. Now while the scenery is being arranged for the next scene the Nursery Rythm boys will sing a number entitled, "The Diggers Song."

The Nursery Rythm Boys are dressed in overalls and each carries a shiney new spade. They parade on the stage and go into their song.

We are the diggers of shrubs and trees,
We dig the stuff as quick as you please.
We chop and pull and break off the root,
We dont give a dam or even a hoot!
All we are after is just our pay.
We only work here by the day.
So step on your spade—let the dirt fly.
Throw her wide and toss her high.
Give her the gun and get out the stuff.
Heave on the spade and treat 'em rough.

SCENE II.

A kitchen in a farm house back in New York state, a long, long time ago. It is evening, in the spring. Maw and Paw are sitting by the fireplace talking.

Where have we been?
Where are we now?
Where do we go from here?

or

THE PAST, PRESENT AND FUTURE REVEALED

Depicting the humble beginnings,
the struggles and rise of the noble
order of BUSH PEDDLERS.



Music, lyrics, dialog
scenery and staging,
by
Charlie Chestnut

"Over the country
wide goes I."

Dear Mr. Editor:

It sure is a big disappointment to me that the committee don't seem to offer any cooperation on my big Pagent I talked to you about. You know I planned to put this on either as a feature on the train going to the convention in Portland, or after the nurserymen all get out there, but it seems not.

I approached Bill Smart on the subject and he says there would be too much hard feeling among the members as to who would play the parts in the Pagent. The chances are, he says, there would be three or four different ones who would want to play the part of "Johnny Appleseed", so how would I figure that out.

Then I took it up with Mike Dering. Mike says that they're having an awful lot of trouble with unions out on the coast and chances are we could not put the Pagent on unless we hired regular union actors. He says if the nurserymen put it on it would probably start a fight. He says there probably will be plenty of fights anyway without starting any.

What would you think if we just run it in the paper anyway?

Yours very truly,
Charlie Chestnut.

Paw: Well, Maw, we going to have a new female calf in the morning. Matt Cotter is giving me one of his critters for some strawberry vines and some raspberry canes I dug out for him today. They was getting too thick anyway. He says that young lad that just bought that 40 acres next to him is looking for some too. Maybe I can trade him for something or other.

Maw: Looks to me Paw like it might pay to move over a lot of them raspberries, so we can have some to trade off every spring. We could separate that rhubarb and sell off a lot of that too.

Paw: That's a good idee, Maw, I'll do it tomorrow. I might put a sign out on the pike "Plants for Sale." Seems like some wants apple trees too. A man was asking me the other day.

Maw: You cant tell Paw, folks might take a notion to start coming here for trees and plants if you was to plant some stuff, Paw.

CURTAIN.

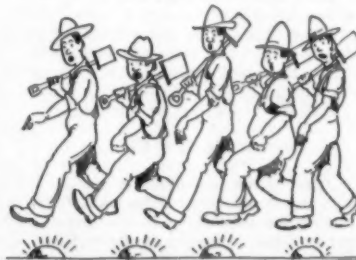
Master of ceremonies: That's the way the nursery business got going folks. It just kinda creeps up on you. First thing you know it was getting a toehold here and there among the farmers. It was easy in them days, no inspection, taxes or price competition. Them was the good old days we hear about. Now while we are getting ready for the next scene I am going to call on the Nursery Rythm Boys for their number, "The Cultivators Song."

The Nursery Rythm Boys are dressed in clean undershirts and each has a cultivator with the lines over his neck. They sing:

We are the boys that cultivate.
We follow the horses early and late.
We start in spring and work till fall
But mostly we never work at all.
The weeds grow strong and tall and high.
The frost will get them bye and bye.
When the ground is dry and the sun is hot
The whole layout just goes to pot.
So let her go right plumb to hell.
The stuff will all grow just as well.

SCENE III.

A farmer's kitchen somewhere in Ohio. It is late afternoon in June. Oscar Potts, the old time nursery agent, is in the midst



"We are the diggers of shrubs
and trees."

of his sales talk. His horse and buggy is tied out by the windmill. On the table in the parlor is his derby hat. His elk tooth watch charm is hanging down the middle of his vest. His rubber collar is getting hot under the heat. His colored lithographs are spread out on the table.

Oscar: Lady you aint never seen anything so purty as this here weeping mulberry. Think of that there mulberry standing there by the pump, with bushels of mulberries.

The Mrs.: Couldnt we get just one Pa, its only \$2.00 and you dont have to pay until next spring?

The Mr.: I wouldnt go over a dollar for any mulberry.

Oscar: I'll put you down for the one year size at a dollar. Now take this here Irish Juniper. Nothing will dress up your front yard like a Irish Juniper. We got a size here for \$2.00. Lookit here is the picture. Aint it purty?

The Mrs.: Couldnt we get one Pa. I'll pay for it out of the egg money.

The Mr.: Well write it down if your heart is set on it.

Oscar: Now if you folks want to put me up for the night I can allow you \$2.00 worth of stuff for my supper and breakfast and my bed and feed for my horse. Then you can go over the pictures this evening.

The Mrs.: Oh! Mr. Potts that sure is nice of you to give me that chance. I would like to have some of them tree peonies and an old yellow rose and a clematis vine. Now, Pa you run out and kill a chicken for supper and Mr. Potts you just make your self comfortable and Pa will put up your horse. You must be all tired out from travelling and being away from your family.

CURTAIN.

Master of ceremonies: With a setup like that, folks its a sure bet Oscar would spend a profitable evening, with an apple orchard and windbrek and a catalpa grove in the order book before the evening was over. They went down to the livery barn in the spring and brought the stuff home in a wagon. Sometimes it was what was ordered, but not often. There was money in the nursery business in them days. Now, folks, while we are getting ready for the next scene the Nursery Rythm Boys will favor us with a new number called, "The Hoeing Gang," written especially for this pagent.

The Nursery Rythm Boys are dressed in straw hats and white pants. Each carries a hoe on his shoulder. They put on a snappy drill with the hoes and lead off with their song.

We are the boys that man the hoe,

Up and down the rows we go.

It is not any of our affair

If we miss weeds here and there.

When the dirt is lumpy and full of clods

We give it a poke and a couple of prods.

A guy with a hoe has a hell of a chore

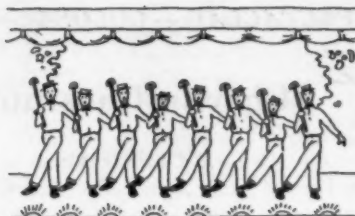
For the small amount he's working for.

At the end of the row we take a rest.

Call it a day and hope for the best.

SCENE IV.

A room in a small hotel in Indiana. The oil lamp is smoking. The wash basin and pitcher are on a stand in the corner. The old iron bed is sagged in the middle. Old Sam Pushover, the nursery agent crew manager, is pacing up and down the room talking to his crew of six hand picked agents



"We are the boys that man the hoe."

getting ready for the drive on the farmers of Snozzle County.

Sam: Now just one more thing, boys, before we start the big drive in the morning. Cover this county like a prairie fire. Stop at every farm. Dont take no for an answer. Never turn down an order. If a farmers wife wants a climbing cherry tree or a blue rose bush, write it down and get the order signed. The company can fill any order under the sun. There aint nothin we aint got. We will all meet here Saturday night. The man with the most orders gets a gallon of whiskey. Remember, we wont never be thru here again, so dont be too particular what you promise. They will forget what you say by delivery time next spring. What we want is orders and lots of 'em. You all got your routes and your horse and buggy, so now get going.

CURTAIN.

Master of ceremonies: Now that was the golden age of the nursery business, folks. Business ethics was unheard of. Success was just a matter of a glib tongue and an elastic conscious. Lots of big firms today got on their feet with a good crew manager, some are still getting away with the same old racket dressed up a little, but the snap has gone out of the old game as it was in the good old days. Now folks, the Nursery Rythm Boys have worked up a number called the "Trimmers Song." Here they are.

The Nursery Rythm Boys come on the stage with saws and pruning shears and clippers and go into their song.

Left and right we cut and snip,

Saw and snap and trim and clip.

We are the trimmers strong and bold.

We trim the stuff, just as we're told.

To us all trees are just the same,

You'll be sorry that we came.

Trim her low or fat or slim,

Teach each tree, boys, limb from limb.

Taint our fault, the trees we ruin,

We dont know what we are doin.

SCENE V.

Office of a mail order nursery in Illinois. Old Henry Windbag is bent over a desk writing the copy for his spring catalog. Old Henry is breaking into the mail order game as they say. He picks up his paper and starts to read to Henry, Jr., who is busily engaged in stealing some copy from another mail order catalog. Old Henry reads:

Old Henry: Listen to this Henry for page one for the catalog—Dont pay fancy prices for your nursery stock. Send direct to the Windbag Nursery Co. for their introductory offer. To make new customers we are making an astounding offer just to cover the cost of wrapping and postage. We pay no agents commission or no delivery commission. No middlemans profit. Just honest value. Dont be misled by agents who go around selling second grade stuff at high prices. Send to old Honest Henry Windbag and get a whole complete assortment for only a few cents. Think of it, apples only

9c each, poplar trees for 4c, a big one year size delivered free by mail. Now, Henry what do you think of that?

Young Henry: It aint strong enough talk pappy. Bear down harder on the agents. Tell how they cheat the public and never give the right stuff. We have got to make it out that all the agents is liars and crooks. Dont forget to have that letter from the bank saying the Windbag Nursery is reliable and honest. But make it strong about the agents Pappy.

CURTAIN.

Master of ceremonies: There you have the beginning of the cut throat prices. The mail order is always a thorn in the side of the agents. It has been a great battle. The smart nurseryman plays both ends toward the middle. They have the agents on the one hand and then a different name for the mail order department. Now while the nursery business has its advocates on both sides, its the smart ones on both sides that win. The Nursery Rythm Boys have got a new song entitled, "Song of the Sprayers."

The Nursery Rythm Boys are dressed in goggles and gloves and each has a spray can and a nozzle which he waves as he sings.

Out of the way, you worms and bugs

Nematodes and flies and slugs.

Thrips and lice and spiders too—

Out we say, to hell with you!

Away with you, begone we say

While we sling the dust and spray.

Spraying stuff is our delight,

We lay it on with all our might,

Lime and water, oil and soap

Kills the little bugs, we hope.

SCENE VI.

A roadside stand on the outskirts of a city in Missouri. The stand is covered with signs for candy, gum, cigarettes, hot dogs and garden seeds. A few roses in cans and two or three evergreens are in the background. It is late afternoon, the nurserymans wife is keeping the stand. A car drives up and a young man and his girl get out.

Young man: Give us two hot dogs and a pack of camels.

Nurserymans wife: Here you are sir. How about a rose bush to take home?

Young man: Do I look like a pansy, lady, no thanks. But I will take a root beer and a pack of gum.

He gets in the car and drives off. The nurserymans wife lets down the sides of the stand and starts for the house. Her husband comes up.

Nurseryman: Well Ma, did you have a good day on the stand?

Nurserymans wife: Not so bad, Pa. I cleaned up on hot dogs and hamburgers.



"I cleaned up on hot dogs and hamburgers."

One lady asked for a rose bush, but she wouldn't pay over a dime as she said she could get all kinds for a dime at the 5 and 10. Its a good thing we dont depend on the nursery stock or it wouldn't pay to open up.

Nurseryman: Well it didnt turn out just like I figured, but a dollar is a dollar. Maybe we ought to put in a gasoline pump. What do you think, Ma?

CURTAIN.

Master of ceremonies: Well folks a lot of nurserymen has been kept from folding up the last few years with a good road-stand. By giving a rose with every six hamburgers a person can move a lot of nursery stock in a year. Once in a while you will catch a nursery customer at the stand, but not often. Now folks, we will call on the Nursery Rythm Boys again. They will do their new number entitled, "We are the Boys that Sell the Brush."

The Nursery Rythm Boys are dressed in blue serge suits and derbys, each has a brief case in his hand and a pencil over his ear.

We are the boys that sell the brush.

We are full of pep and rush.

We travel around from place to place

And talk to the people face to face.

We peddle the bushes up and down

And call on all the folks in town.

We are the boys that save the day

And keep the sheriff far away.

We're the big shots sure enough

In putting out the nursery stuff.

SCENE VII.

The back yard of a suburban home near Chicago. Jasper Goosefeather the landscape salesman is in action. He is dressed in the regulation uniform, with riding pants and high top boots. He is talking to Mr. and Mrs. Herbert Waffle.

Jasper: Right there by the garage is where you ought to put in the rock garden and fish pond. That'll be \$200.00 and there by the corner of the lot I will put in the rose garden for \$50.00 and then I aim to build a trellis for the grape vines. That'll be \$25.00 and then I figured a foundation planting all around with evergreens, that'll be \$300.00 and then . . .

Mr. Waffle: Wait a minute, young man, that's over \$500.00. You are just wasting your time talking that kind of nonsense. Wait here till I talk it over with the Missus.

They retire to one side and whisper together.

Mrs. Waffle: We have talked it over Mr. Goosefeather and we have decided to cut it down some. What would you want for just a lilac bush by the garage and a Christmas tree in the front yard?

Jasper: That'll be \$6.50 altogether.

Mr. Waffle: If you let me pick out the Christmas tree I will give you \$5.00 for the job.

Jasper: Its a deal.

CURTAIN.

Master of ceremonies: There folks, you have the inside facts on the landscape business. The trick is to start out big and then taper off with as much as you can get. Generally in the meantime there is 14 other nurserymen bidding on the work and all are cheaper than you are. Some are less than half as much, which adds to the interest. Now while we are shifting the scenes again the Nursery Rythm Boys will sing the "Planters Song."

The Nursery Rythm Boys come out dressed in brown overalls and carry shovels on their shoulders.

Leave it to us to set the trees.

We dig the holes with greatest of ease.

We grab a bush and jam it in

And then we fill it in again.

It aint no trick the way we do.

No time at all and we are thru.

Watering stuff is such a chore

We never do it any more.

And how the bushes ever grows

I'll tell you true, God only knows.

SCENE VIII.

A radio station somewhere in the mid-west. A hillbilly band is waiting to swing into action. The Todelers are standing by. The station announcer has his script in his hand. He reads with a nasal singsong voice.

Announcer: Now friends we bring you the most amazing offer ever made on this or any other station. The Star Gazer Nursery Co. has set aside 5000 sets of their amazing introductory offer to make new friends and customers. Think of it folks, 100 items for only \$1.00. Here are the items—12 giant radish seeds, 6 colorado blue spruce seeds, 2 asparagus roots, 2 catalpa seedlings, etc., etc.

The strains of the Todeling Cowboys comes on and in due time the good people have donated a much needed \$5000.00 to a good deserving nursery.

CURTAIN.

Master of ceremonies: Well folks, the radio has sure been a great boon to the nursery business. There has thousands of people sent in their dollar with no more use of nursery stock than the man in the moon, but it all helps the nursery business, so more power to them all. Here are the Nursery Rythm Boys again in a chorus entitled "The Grading Song."

The Rythm Boys are dressed in sheep skin coats and carry tape measures and calipers.

After the stock is brought inside,

We are the boys who will decide

Whether its number one or two.

Thats the kind of work we do.

If stock is short we stretch the grade,

That is where the dough is made.

A nurseryman if he is wise

Never gives the proper size.

Rubber rulers are his guide

And skimping sizes is his pride.

SCENE IX.

A department store in a midwestern city. The fourth floor is the nursery department. The temperature is 86 and everything is almost in full leaf. The clerk, Isadore Goldbeak, is talking to a customer.



Jasper Goosefeather, the landscape salesman, is in action.

Isadore: At 98c lady, we are positively losing money on these beautiful Jack Pines. Yes mam this is a genuine Jack Pine, the nurseryman who grew these is going out of business and we took the stuff off his hands. You will never get the genuine Jack Pines in a lifetime again for 98c. I'll tell you what I'll do lady, if you take all 7 of these Jack Pines they are yours for \$4.98. Its lucky for you lady, you dropped in. Oh, you wanted Blue Spruces. Sorry we are all sold out. But how about a weeping willow lady for 39c. Genuine, lady, positively. No? Weeping willows is all the style this spring. Bird seed? Yes mam, 10c a package. Thank you mam, come again.

CURTAIN.

Master of ceremonies: There are two schools of thought on the store question. Nurserymen with stuff that the stores want are in favor of it. And the other nurserymen aint. Thats all there is to it. Now we have another number from the Nursery Rythm Boys in their "Bookkeepers Ballad."

All we do is sit and figure

Watching bills big and bigger.

Sometimes we write in nice black ink.

But most of the time we write in pink.

When we come to the end of the season

We look in vain for any good reason

Why keeping in business makes any sense.

What is the answer—tell us gents.

We write it down and take in the dough,

But where it all goes we don't know.

SCENE X.

A nursery office in the year 2000. It is midsummer. The telephone rings.

Customer: Will you please television some evergreens. I would like a pair of blue ones.

Nursery: Just hold the wire and we will send our portable televisior into the nursery, and you can pick out your trees. . . . Here you are, mam, this first row is the new Ocean Blue Juniper. The second tree is very well shaped.

Customer: Show me the back of the tree please. Yes that is very good. When can you deliver?

Nursery: We will inject dry ice immediately and the trees will be ready to dig with a frozen ball in the morning. . . .

We have just received this morning by aeroplane from our California nursery a fine selection of alpine plants in full flower. Just the thing for a unique week end decoration. They are frozen and wrapped in wax and cellophane. Yes mam we will send a dozen assorted. Thank you, good day.

CURTAIN.

Master of ceremonies: There folks you have a history of the nursery business, past, present and even a glimpse at the future. Now we have the final musical selection by the Nursery Rythm Boys, entitled "We are the Gents that Own the Joint."

The Nursery Rythm Boys are dressed in long white beards and lean on canes.

Ours is a song of sad lament.

We are the owners tired and bent.

Oh, to be young and start anew,

Lots of things that we would do.

But after all is said and done

With battles lost and victories won,

We wouldnt quit this homely trade

For any business ever made.

Give us the rain, the soil, the sun

Even if we lose, we've won.

FRISCO FAIR GARDENS.

[Concluded from page 6.]

ing peach trees, which bloomed in the spring, and 17,000 tulips, which were at their peak about April 1.

The Court of Pacifica is a floral show in California's state colors, blue and gold. Earlier were seen 5,000 hyacinths, while as the season progresses thousands of yellow marguerites, forget-me-nots, marigolds, calendulas and, in the fall, chrysanthemums and other blooms will delight visitors.

Fine magnolias and Valencia orange trees are noteworthy in the smaller Court of Honor, in which the Sun Tower is located. Gold and brown are the predominating colors. Dutch irises and Holland tulips filled the gardens earlier, along with azaleas. Sweet williams and callas are to be found here.

Figures on the quantities of plantings include 100,000 cubic yards of loam and 100 tons of fertilizer. Four thousand boxed trees, weighing 35,000 tons, were required in the exposition planting project. Palms, olives, eucalyptus, magnolias, willows, oaks and other kinds were all included. Some are as high as seventy feet. Literally, millions of flowers and as many as 40,000 smaller trees and shrubs were planted.

RISE OF COATES NURSERIES.

The Leonard Coates Nurseries first started in the fruit tree nursery business at Napa, Cal., in February, 1878. Leonard Coates, who is affectionately referred to as the "Old Gentleman," first began his nursery sales operations by horse and cart; after the travels became too rough with this means of transportation, he transferred to the trusty horse to complete his trips to some remote mountain section.

Horticulture during those days in California was very much in its infancy, so that soils, varieties, propagation and culture were all new, and such growing information was mainly found out by trial and experiment.

During the year 1904 the nursery operations were moved from Napa to Morgan Hill, about seventy miles south of San Francisco, at which time a great impetus was started in the hardy, fast-growing types of eucalyptus, that were sent into California as seeds from Australia. The eucalyptus lumber was then used for

"wagon work" or whenever a strong durable material was needed. Many acres were devoted during this period to growing thousands of flats of these seedlings annually, which were in turn transplanted into large groves that flourished under adverse soil and moisture conditions.

It was in this manner Leonard Coates became interested in the propagation of eucalyptus trees, as he realized some day they would find a market here similar to that in Australia.

In his travels through the varied sections of California, Mr. Coates also noticed there were many varieties of native trees and shrubs that had, withstood severe periods of drought, and he realized the commercial value that such trees and shrubs would have in years to come. How well his foresight proved to be right can now be attested to by the fact that thousands of native trees and shrubs are being planted on the Pacific coast. When Ray D. Hartman succeeded Mr. Coates as the head of the company, in 1925, he continued to expand the scope of propagating of California natives, with the result that this company now has the largest assortment of these lovely trees and shrubs.

In 1914, Mr. Coates introduced the Coates 1418 French prune, which was an improvement over the old variety, both as to size and quality, and there are now hundreds of acres of Coates 1418 prunes planted in

Santa Clara valley and also other sections of California.

During the fore part of 1900, the ornamental plants started to become a factor in the nursery business. Many people wanted to plant a tree in their yard or shrubs around their house, and the demand became greater than the supply then available. So Mr. Coates started the propagation of both native and exotic ornamental trees and shrubs, which program was enthusiastically carried out by Mr. Hartman, with the result that today there are now two fine growing grounds, at Morgan Hill and Santa Cruz, devoted exclusively to ornamentals.

In order to take care of the demand for fruit trees, another nursery was started, at Brentwood, where the long warm summer days made an ideal place to grow fruit trees, and in a section that was known to be unusually free of insects and diseases. This has been the company's growing grounds for the past twenty years, and besides fruit trees, many thousands of deciduous trees are now being grown there also.

The result of this expansion since 1878 is the employment of from sixty-five to over 100 men in four different counties in the vicinity of the San Francisco bay area, and in localities where soil and climate are most suitable for the various kinds of plant material.

At the main office and sales yard, at San Jose, are conducted a complete

LEONARD COATES NURSERIES, INC.

SAN JOSE, CALIF.

Send Greetings and Welcome

To the Eastern Nurserymen upon their visit to the West Coast. May your trip be both pleasurable and profitable.

P. S. You will never regret attending the Portland Convention, including California.

Ray D. Hartman, Pres. & Mgr.

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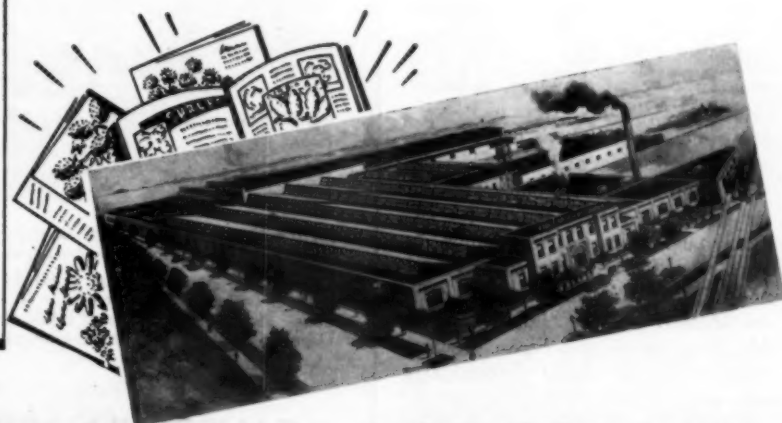
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landscape department and flower store.

Ray D. Hartman, born in California in 1892, had a varied career before entering the state nursery service and subsequently heading this large nursery enterprise.

In addition to being president and general manager of Leonard Coates Nurseries, he has served as president of the Central California Association of Nurserymen, California Association of Nurserymen and Pacific Coast Nurserymen's Association.

He is a chairman of the membership committee for California of the American Association of Nurserymen and chairman of the entertainment committee for the assemblage in San Francisco after the Portland convention and a member of the trade barriers committee of the association.

Last, but by no means least, Ray is the proud grandfather of two splendid children, Donnie, 4, and Dennie, 2.

BACHER TO VISIT EUROPE.

J. G. Bacher, of the Swiss Floral Co., Portland, Ore., and president of the Pacific Coast Association of Nurserymen, sailed from San Francisco, June 10, for Switzerland. He will make several stops in the Canal Zone before reaching Marseilles, France, about July 15. On his way to Zurich Mr. Bacher will visit various rose growers. The European trip will be climaxed with a visit to the flower show at Southport, England, late in August.

ROSES AND DAFFODILS.

One of the interesting nurseries to visit in the vicinity of Portland, Ore., is that of N. Van Hevelingen, consisting of ninety-five acres of land owned and operated by him, on Sandy boulevard (Columbia river highway), just eight miles from the heart of the city. Thirty acres are devoted to the production of daffodil bulbs and the remainder to roses. He grows annually about one-quarter million 2-year roses for outdoor planting and one-half million dormant budded roses on Manetti for greenhouse forcing. Mr. Van Hevelingen began growing roses in Oregon nearly twenty years ago, starting with two acres, and increased his production as his business grew, until today he has a total of 115 acres under cultivation.

The entire nursery is under irri-

gation, quite valuable in the unusually dry spring this year. A modern warehouse and storage facilities for curing bulbs and keeping the rose plants in first-class condition are at the nursery grounds.

RHODODENDRON ARBORETUM.

One of the most extensive plantings of rhododendrons launched in a single season anywhere in the United States is under way this spring by W. P. A. workers in the new Washington arboretum, at Seattle. More than 2,000 choice specimens of native, imported and hybrid varieties will be placed in permanent positions along Azalea Way, which is now being graded and grass-seeded.

Azalea Way will extend 3,800 feet in the Washington arboretum. Plans call for creating a solid bank of rhododendrons and azaleas on both sides.

Approximately 1,000 native species of the state flower will bloom soon and some of the more choice hybrid varieties of the Dr. Tenney collection are now coming into bloom.

The W. P. A. workers on this project are propagating rhododendrons from seeds with large-scale methods. If eighty to ninety per cent of the seeds now planted in the new greenhouse reach the transplanting stage, five or six years from now, between 25,000 and 50,000 plants will be ready for removal to permanent arboretum positions.

WASHINGTON NOTES.

Instead of holding the regular monthly meeting of the Washington State Nurserymen's Association at Seattle, the members accepted the invitation of Mr. and Mrs. John Strander, of Strander's Nursery, Foster, to meet there. After a dinner served to the twenty attending members by Mrs. Strander, the meeting got under way. The members made such a good impression on their hosts that an invitation to hold a picnic at the nursery in August was extended.

An inexhaustible supply of rich humus, found in a lake adjacent to Seattle and furnished to the trade by the Arbor Lake Humus Co., Seattle, is being readily accepted by florists and nurserymen. W. L. Fulmer, president

Driving to Portland?

Highway No. 10, an all-paved route to the coast, from the Twin Cities, through Fargo, to Yellowstone or Glacier Park, Spokane and Portland passes the offices of the

NORTHWEST NURSERY CO. VALLEY CITY, N. D.

The litchstring is out, and it will please us to have our nursery friends drop in, take time to dine with us, play a game of golf and have a glimpse of the nursery in the Sheyenne Valley. It will be a breathing spell from your highway run.

E. C. HILBORN
General Manager



Look for our Exhibit in the
"Homes and Gardens"
Section.

Visit us at
"Treasure Island" July 18
and be our guest at
Niles July 17.

• After the Convention be sure to come to the Golden Gate International Exposition

Exhibit your Treasure Island headquarters.

• July 17 is Association day at NILES. We invite you to be our guest at the outdoor barbecue and tour of our 300-acre Growing Grounds and Show Gardens. Plan to see California's historic "Old Adobe," located on our Niles Grounds . . . and expect a bang-up good time!

. . . George C. Roeding Jr., Pres.

CALIFORNIA NURSERY COMPANY
NILES, CALIFORNIA

Roses • Boxwood • Fruit Trees • Myrobalan Seed

of the Washington State Nurserymen's Association, is sales manager for the company.

J. W. Adams, of the Richmond Nurseries, Richmond Beach, sold over 15,000 roses at retail this spring. He reports splendid sales in nursery stock.

Howard E. Andrews, Seattle, is growing about 150,000 plants of the forcing varieties of azaleas. The entire output is contracted for.

T. R. Hopkins & Sons, Bothell, are setting out over 20,000 seedlings of *Azalea occidentalis*. They are delighted with the heavy spring sales.

The rhododendron display of the State Flower Nursery, Bothell, was exceptional the past spring, and the demand was better than previously. Mr. Pierce, the proprietor, sells much of his stock at wholesale in the east.

RAIN HELPS NEBRASKA.

Business the past spring at Marshall's Nurseries, Arlington, Neb., totaled a little more than a year ago, according to Chet G. Marshall. The spring was dry and lining-out stock is not in good shape; in fact, the stands are rather poor. Recent rains are improving things, he says, expressing the hope that the six years' drought on the western plains will soon really be broken.

BAKERS TRAVEL.

J. B. Baker, of Baker Bros. Nursery, Fort Worth, Tex., left the middle of June with Mrs. Baker for an automobile trip through the western states and a steamer trip to Alaska, storing their automobile for two weeks at Seattle.

Edward L. Baker, their son, will go with his wife on the special train to the Portland convention of the American Association of Nurserymen, of which he is a past president.

TEXAS RATE HEARING.

The lower freight rates being sought by Texas nurserymen, reported in the May 1 issue, are to come up for hearing before the freight traffic bureau at Galveston, Tex., July 5.

Because some of the large shippers will be on their way to the A. A. N. convention at Portland, Ore., those interested in this change are seeking the coöperation of as many other Texas shippers of nursery stock as can possibly attend the meeting.

HILL EVERGREENS

We are wholesale growers of high quality lining-out Evergreens.

We enjoy the patronage of the nursery trade from coast to coast and can please you with finest stock and fair prices. Write for catalogue.

See our representatives at the Convention—

BILL SMART
NEWT AVERILL
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Visitors en route to the convention in Portland are cordially invited to visit the Nursery. Telephone Dundee 217 on arrival in Chicago, and we will give you information on how to reach the Nursery and arrange to meet trains.

Established 1855

D. HILL NURSERY CO.

EVERGREEN SPECIALISTS

Largest Growers in America

DUNDEE, ILLINOIS

HOLLY TREES

OREGON ENGLISH HOLLY

WITH LOTS OF BERRIES ON.

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CAMELLIAS — AZALEAS — DAPHNE
BOXWOOD — ENGLISH LAUREL

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PORTLAND, OREGON

ON BARNES ROAD

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BOX 450

H. C. Eargle, of the Beaumont traffic bureau, will represent the Grifing Nurseries. Mr. Byers, of the Fort Worth freight bureau, will represent Baker Bros. Co., and probably someone from the firm will be in attendance also. It is expected a representative of the Tarrant County Nurserymen's Association will appear in behalf of nurserymen in that area.

The lower freight rates would enable shippers in Texas to make shipments of nursery stock by rail as cheaply as they do by truck now. It would not only save buyers of nursery stock the transportation costs, but

ON YOUR WAY

to the National Convention
or returning

VISIT

the extensive

Wholesale Nurseries of the
WILLIS NURSERY CO.
Ottawa, Kan.

would remove the necessity of some of the larger firms' maintaining fleets of large trucks.

ROSE SOCIETY MEETS.

The summer meeting of the American Rose Society was held at the Newhouse hotel, Salt Lake City, Utah, June 11 to 13.

The Utah Rose Society staged a splendid rose show in the hotel, filling a large hall with beautiful blooms of splendid color. The Nicholson bowl, the highest rose award, was won by Mrs. Claude L. Shields with a dozen perfect blooms, all of them different.

Sunkist, Sir Henry Segrave and Grenoble won for their exhibitors the American Rose Society medal certificates, and a long-stemmed Rapture was crowned queen of the show.

Attractive commercial displays were staged by the Evans Floral Co., Stadium Gardens Co., Brown Floral Co., Huddart Floral Co. and Porter-Walton Co., all of Salt Lake City; R. O. Kirkland, Bountiful, and Miller Floral Co., Farmington.

Salt Lake City florists exhibited noncompetitive displays of high quality at the show, and they furnished beautiful decorations for the meetings and for the banquet held Monday evening.

E. E. Monson, secretary of state, welcomed the members to Salt Lake City. Speakers at the meeting were Dr. T. Allen Kirk, Roanoke, Va., president of the American Rose Society; R. Marion Hatton, Harrisburg, Pa., secretary; James H. Mahoney, president of the Utah Rose Society; Mrs. Cyrus Dolph, Portland, Ore.; Fred W. Walters, La Canada, Cal., and Arthur F. Truex, Tulsa, Okla. John H. Van Barneveld, Puente, Cal., gave an illustrated lecture, showing roses in the nursery from the making of a cutting for an understock to the digging of a No. 1 2-year-old rose.

The meeting concluded with a sight-seeing tour to the Great Salt Lake, the state capitol and private and public gardens.

It was tentatively decided to hold the 1940 spring meeting in California and the 1940 annual meeting in Oklahoma. Pictures of private and public California gardens made the members want to attend the 1940 spring meeting.

Salt Lake City is a rose city. Roses are visible everywhere — on front lawns, against houses and on fences. In front of the state capitol is a large rose garden containing plants of hybrid teas, polyanthas, hybrid perpetuals and climbers.

FAIRVIEW'S GOOD SEASON.

Spring business was about even with the preceding two years at the Fairview Evergreen Nurseries, Fairview, Pa., making three years straight that business has been at a peak there. "Considering the fact that these successive peak seasons used up many standard items and created shortages," says Charles W. Hetz, "we must say we had a very fine spring."

The firm has added to its propagating frames, increased the irrigation system and added a few more acres. The growing season has been excellent and transplanting "about perfect."

HENRY HOMER CHASE, of the Chase Nursery Co., Chase, Ala., became the proud father of a 7½-pound son born May 30. He has been named Henry Homer, Jr.

THE appointment of F. Herbert Gates as Colorado state entomologist and head of the bureau of plant and insect control has been announced by W. C. Sweinhart, director of agriculture, Denver. Mr. Gates assumed his new duties June 1.

A. A. N. ATTENTION

We are anticipating a visit from you during your stay in Portland.

One of the leading growers of Evergreens and Roses since 1900.

MOUNTAIN VIEW FLORAL NURSERIES

Troutdale, Oregon

Location from Portland: 10 miles east of 82nd and Stark Streets on the Baseline Highway.

Welcome, Nurserymen, to Portland!

We have a nice lot of stock in both 1-year and 2-year Fruit Trees, Shade Trees, Small Fruits, Ornamentals.

May we quote you prices.
Badge 330 at convention.

HOUSEWEART'S NURSERIES
Wholesale and Contract Growers
Woodburn, Oregon.

WILLIAM HARMON has joined the staff of the Ashby Nursery Co., 2238 Russell street, Berkeley, Cal.

THE daughter of Earl E. May, president of the Earl E. May Seed Co., Shenandoah, Ia., was married June 23.

THE Burwell Nurseries Co., Columbus, O., invited the public to visit its rose test gardens from June 10 to 17. G. W. Burwell said that more than 125 varieties of roses were on display.

ANNOUNCEMENT has been made that Paul J. Howard's Horticultural Establishment, long located at Third street and LaBrea avenue, Los Angeles, Cal., will be moved to the nurseries now located in Chatsworth.

ROBERT PYLE, president of Conard-Pyle Co., West Grove, Pa., will leave early for the Pacific coast, in order to visit rose growers in the northwest before attending the A. A. N. convention. He is in demand as a speaker before garden club groups on roses and has accepted invitations at Portland, Los Angeles and San Jose, besides one to go on the air at Seattle.

An INVITATION—

Members attending the Portland Convention are cordially invited to visit my nurseries on Sandy Boulevard (Columbia River Highway) just eight miles from Convention Headquarters.

N. VAN HEVELINGEN

(office) 3870 N. E. Glisan St.
Portland, Oregon

Grower of the World's Finest

ROSES

Newer varieties—Finest qualities

ESPALIER FRUIT TREES

We welcome our fellow nurserymen at our espalier gardens, while visiting the Portland Convention.

UNITED STATES ESPALIER NURSERY CO., INC.

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*We welcome you to our sun-kissed land,
To its fragrant flowers on every hand
To plains and valleys, great and wide,
From Idaho to ocean side,
With riches stored, we welcome you,
Where plenty reigns and friends are true.*

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FRUIT and SHADE TREE SEEDLINGS

Oregon and Washington Grown

Apple, Pear, Mahaleb, Mazzard,
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Quince (rooted cuttings)

Chinese Elm Seedlings

Complete Line General Nursery Stock.

Chinese Elm, Transplanted Specimens.

Norway Maple, Lining-out Whips.

Send list of your wants for prices.

New catalogue now ready.

Combination carloads to eastern dis-
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MILTON NURSERY CO.

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Since 1878

Milton, Oregon

OREGON GRAPE SEEDLINGS (Mahonia Aquifolium)

Orders taken at the
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Delivery.

MOUNT VERNON NURSERY Mount Vernon, Wash.

Welcome Convention Visitors

You are cordially invited to visit our nurseries—
Fruit, Nut, Shade and Flowering Trees. Small
Fruit and Roses.

Wholesalers for a Half-century

CARLTON NURSERY CO.

Carlton

(Since 1890)

Oregon

Come to see us

and our

Blue

Spruce

Trees

*Upton Gardens
H. & R. Marriage
Colorado Springs, Colo.*

SHORT ROWS

"Fifty-four Forty or Fight." The provincial nurserymen east of the continental divide are beginning to feel that Lewis-and-Clark urge to hit the Oregon trail, which they will be doing just after next Independence day. Portland is calling, the City of Roses, the Gem of the Columbia. Many a nurseryman has prepared a budget, both for his midsummer time and his vacation wallet, with the Portland convention as the objective. A few will make the sojourn more enjoyable by brushing up a bit on their history—the colorful story of those pioneers who rushed across the prairies and mountains to claim vast regions for the U. S. A.

"Just Follow the Man from Cook's"—or are you too young to remember the old song hit? It describes the perfect tourist guide. Well, anyhow, a lot of American nurserymen are going to Portland shortly on William J. Smart's special train, just because Bill will pilot them through to that tree-buster's rodeo. As remarked a southern member, who still thinks it's all one word, just like his granddad pronounced it, "I shuah aim to go on Bill Smaht's train just to admiah him agentlin' a few damyankees who tell me theyah goin' to be aboahd."

Representative government, that is the A. A. N. under its new charter. Its successful government no longer depends on the "legislation" of the comparatively few who could and would attend the national convention. American nurserymen now have their congress and definitely delegate their representatives to act for them under mandate of their own local groups. That is practical progress—and it works!

Gopher nurserymen are talking up Minneapolis for another national convention, say, in '40, '41 or '42. Among other attractions, they point to the New Hotel Nicolle, now in full swing under management of Ralph Hitz, of National Hotels, and to the upper Mississippi, with its 9-foot channel now completed, promising an all-day convention cruise as a feature of the program.

A. MCGILL & SON

FAIRVIEW, OREGON

Wholesale Only

GOOD WESTERN-GROWN NURSERY STOCK

Fruit Tree Seedlings
Flowering Ornamental Trees
Shade Trees
Roses

Grown right and packed right.

Combination carloads to Eastern distributing points will save you on freight.

Let us show you around our plant when attending the A.A.N. Convention in Portland, Oregon—July 9-14.

Since we are great boosters for the Pacific Coast, we are proud of the fact that the American Association of Nurserymen has chosen Portland as its Convention City this year.

We will be on hand to greet you and do whatever we can to make your trip to the Pacific Coast both pleasant and profitable.

Portland Wholesale Nursery Co.

306 S. E. 12th Avenue

PORTLAND - OREGON

Oregon-Grown Trees

BRING SATISFACTION

We have a fine lot of stock coming on for this fall.

May we quote you now from advance lists? Catalogue September 1.

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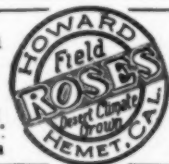
Portland, Oregon

Field-Grown

Rosebushes

HOWARD ROSE CO.

Hemet, California



ORENCO NURSERY CO.

Orengo, Oregon
WHOLESALE GROWERS

Fruit, Shade, Flowering Ornamental
Trees, Fruit-tree Seedlings, Roses, Etc.
Very complete line of quality stock
Catalogue sent on request.

Plants for Continuous Bloom

*Fourth in Series of Articles on Species of Hardy Plants Flowering over a Long Period
Includes Labiates, Coreopsis, Coronilla, Dianthus and Erigeron — By C. W. Wood*

Many gardeners seem unaware of the fact that coreopsis contains more than the one popular species, *Coreopsis grandiflora*. There are, in fact, upward of seventy distinct kinds, including several annuals, the exact number depending upon where one wants bidens to leave off and coreopsis to begin. Other well known genera which lead to synonymy are cosmos, dahlia and leptosyne. One cannot go far into the ordinarily accepted boundaries of coreopsis, however, without becoming aware that the genus contains more good garden material than is generally supposed, some of which answers the requirements of our present inquiry. The one deviation from the prevailing yellow color of the perennial species of my acquaintance—that of *C. rosea*—should have attracted the attention of gardeners long ago. The records show that it did, but interest waned and the present generation seems to have forgotten it. The plant grows naturally in "sandy, grassy swamps and along damp shores," according to the manuals, and needs a moist spot in the garden, if it is to produce its rose-pink daisies on foot-high stems throughout the summer. The flowers are rather small, usually less than an inch across, but they are produced so abundantly the plant is always showy.

The authorities differ regarding the standing of *C. pubescens* and *C. auriculata*, some making them distinct and others synonymous. So far as you and I are concerned the differences are too slight to make a distinction between the two, both being 2-foot to 3-foot plants with 2-inch or wider yellow heads from June to September. It, or they, according to the interpretation of the names, is an excellent plant for the wild garden or for planting in the shrub border; its natural home is in woodlands from Virginia and Illinois southward, adapting itself to these and other shady situations. All the tickseeds that I know are easily grown from seeds or from division.

The crown vetches would be of more value if they were hardier, but even so the genus holds a few long-time bloomers for us of the north and

several more for southern growers. Of the latter I can say little, except that the trailing shrubby species, *Coronilla viminalis*, from northern Africa, having pretty white flowers with a red line on the banners, produced almost continuously throughout the year, cannot stand northern winters, but should be, and perhaps is, a favorite in the south. Of the hardy kinds of long blooming habit, *Coronilla cappadocica* is the best that I have grown, being easily handled in a rich soil on the alkaline side and in full sun. There it will creep, making a thick covering of vetchlike, glaucous leaves and in June throwing up stems to a height of six inches, each carrying clusters of rich golden flowers. It is a splendid ornament for sunny slopes in the rockery, for the front of the border and for the wild garden. Even lovelier as to flower, in my eyes, is the common crown vetch, *C. varia*, though its invasive nature prohibits its use in all except the rougher places in the garden. Let it cascade from a ledge where its long stems can hang down and display the beautiful, much-divided foliage and the large clusters of pink and white pea flowers, if you would see it at its best. It also makes a good covering for rough banks, where choicer plants

would not grow. All the crown vetches may be grown from seeds and most may be propagated by division and some from cuttings. All are easily grown, indestructible plants, if hardy.

The genus *corydalis* has much to recommend it to gardeners, including lovely foliage and often a long blooming period. It has to be admitted, however, that many of the species which possess the latter trait also have the habit of disappearing after a season or two of heavy production. That would be a grievous fault were it not for the fact that they generally self-sow in sufficient numbers to maintain a stand. Five species, three from China (*C. cheilanthesifolia*, *C. thalictrifolia* and *C. wilsonii*) and two from southern Europe (*C. lutea* and *C. ochroleuca*), should, if they behave as they do in the cool north, give one yellow flowers like Dutchman's breeches from April until frost, not all at the same time, because *wilsonii* does not commence its performance until early summer, while the first-named and *lutea* begin theirs in April, but after they do make a start they put on a more or less continuous program. Add to that their lovely, graceful, ferny foliage and their ease of culture in sun or shade in any well

TRULY SORRY that due to circumstances beyond our control we are unable to attend that Portland Meeting.

In making up your lists remember us for:

HYBRID FRENCH LILACS—In Good Assortment
LILAC ROTHOMAGENSIS—In Quantity
MAGNOLIA SOULANGEANA—3 to 4-ft. to 8 to 10-ft. Specimens
CORNUS FLORIDA RUBRA—Beautiful Stock
WISTERIA—Grafted from Blooming Wood
COMPLETE LIST OF LINING-OUT STOCK
SERVICEABLE NURSERYMEN'S SUPPLIES

NEW TRADE LIST IN OCTOBER

We hope to see you at the SOUTHERN NURSERYMEN'S ASSOCIATION CONVENTION in HUNTSVILLE, ALABAMA, AUGUST 16 and 17, 1939.

CHASE NURSERY COMPANY
CHASE, ALABAMA

drained soil and there is little else one can expect of a plant. Propagation is best accomplished from seeds, which should be planted in autumn or early spring.

First intentions were to dwell at some length on the hardy cyclamens, because they are a much-neglected group of plants, possessing great possibilities, especially in the hands of the neighborhood grower. A brief series on primulaceæ, to which they belong, is, however, a prospect for the near future; so space will not be taken at this time, except to set down the long-blooming species. They include the following: *C. cilicicum*, *C. europæum* and *C. neapolitanum*.

Few pinks in their natural states have a long blooming period, that enviable trait coming mostly in garden hybrids. And still fewer of the species with that habit are really exciting. Personally, I like the 15-inch *Dianthus Seguieri*, with its near-carmine pinks from June until autumn, but some gardeners of more refined tastes object to the color, perhaps putting it with the much-maligned magenta. The southwestern European, *D. gallicus*, has the same long flowering period, but the color is worse than the other, in my eyes, being a washed-out magenta, though its fragrance partially makes up for its lack of beauty. Its foot-high stems sprawl badly, and so it should not be put near choice plants that might be smothered. The oriental *D. squarrosus* is of the same persuasion, flowering here from June until frost. It, too, lacks good color, but like the others mentioned it is useful because of its more or less continuous blooming and can be used where near magenta is not objectionable.

It is scarcely safe to include the polymorphous species, *D. sylvestris*, in this list, because few of its forms can meet our requirements. I have, however, had two or three lots, once as frigidus and again as inodorus, that bloomed from June until late September, prodigiously in the former month and then more sparingly until the end. When one gets a form with that habit, its bright pink flowers, bluish spotted at the center and with bluish-lilac anthers, on 6-inch stems, make a really valuable garden plant. I know of no way to find that form, except to keep trying them from seeds until it shows up, and then multiply it from cuttings, taken in spring just

CONGRATULATIONS AND BEST WISHES TO ALL WHO
COULD ATTEND THE PORTLAND CONVENTION.

We Offer for Fall 1939 and Spring 1940

our usual line of

HARDY FLOWERING SHRUBS, SHADE AND ORNAMENTAL TREES, HEDGE PLANTS, PRIVET, AMOOR RIVER NORTH, AMOOR RIVER SOUTH, CALIFORNIA, IBOTA AND IBOLIM, BARBERRY THUNBERGII in both finished and lining-out stock. FOREST TREE SEEDLINGS, in large quantities for soil-erosion control and reforestation. EVERGREENS, assorted in finished and lining-out stock. ORNAMENTAL VINES AND CREEPERS, NATIVE TREES, SHRUBS, EVERGREENS AND VINES for roadside and park plantings. HARDWOOD CUTTINGS. TREE AND SHRUB SEEDS. TENNESSEE NATURAL PEACH SEED. LINING-OUT STOCK is our specialty.

We are offering special prices for orders booked during July and August, prices guaranteed against decline up to October 1. All stock guaranteed to be first-class and up to grade or no sale.

Write for special summer trade list which will be out July 15.

Send want list for special quotations before you buy.

Visitors Welcome.

Wholesale Only.

Nothing sold at Retail.

FOREST NURSERY COMPANY, INC. McMinnville, TENN.

Established 1887
By J. H. H. Boyd

J. R. Boyd
President

VERHALEN TEXAS-GROWN ROSES

were so good the past season that
our customers sold them as

PREFERRED STOCK

at profitable prices. The new crop
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Ask for price list now ready and come to see them.

VERHALEN NURSERY COMPANY
Scottsville, Texas



**The Storrs &
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"PAINESVILLE NURSERIES"

85 Years in

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MIDWEST HEADQUARTERS FOR COMPLETE NURSERY SUPPLY

Fruit Trees
Deciduous Trees
Evergreen Trees
Shrubs
Vines

Small Fruits
Roses
Hardy Perennials
Plants
Seeds, Bulbs, Tubers

after active growth commences. Do not be misled by the specific name, which means woods or forests, for the plant wants a sunny situation and a soil a little richer than that given most wild pinks. I have found that leaf mold will encourage it to keep going and even well rotted manure may be used to advantage.

Much that was said in the preceding paragraph could be repeated here about *D. monspessulanus*, especially as to blooming period. The plant varies much in nature as it spans Europe from Spain to the Caucasus in Asia; so one can expect a similar behavior in the garden. Apparently, the best way to solve the problem is to get seeds from different sources, selecting the best forms for vegetative reproduction. The latter is quite sure to include one with quite large, bright pink, odorless (I notice little if any fragrance in *monspessulanus*, contrary to what some authors tell us) flowers, abundant in June and early July and more sparing later.

One has to wait, however, until he reaches the garden hybrids to find really outstanding long-blooming pinks. *Allwoodii* and *Allwoodii alpinus*, for example, contain much good material of that nature. Not everything one gets from seeds of these two hybrid strains is a desirable color, nor do they all show the long flowering period, but every packet is quite sure to produce something worthy of vegetative multiplication. No doubt Little Joe, one of the most attractive single crimson pinks that I know, came from that source. The last-named produces large crimson flowers on 6-inch to 8-inch stems, above compact clumps of glaucous foliage from June until frost, making it an attention-arresting object throughout the summer. Judging from my own experience, I should place it in the front rank of the bread-and-butter winners for the neighborhood nurseryman. *D. Allwoodii* Crimson is another sure-fire seller, its double crimson flowers on 15-inch stems from spring until autumn literally dragging the dollars right out of your customers' pockets. Incidentally, the new, double mixed strain of *Allwoodii* comes better than ninety per cent double from seeds, according to my trials, and is sure to yield good property.

Then, of course, there is a long list of named *plumarius* forms, mostly

double ones in the long-flowering class, but they are not easy to find. Some may be found in old-fashioned gardens and the present interest in pinks will bring them to light in a year or two. Others appear in most cultures of *D. plumarius flora plena*, the *semperflorens* of lists. Without a doubt it will pay you well to investigate the possibilities in everblooming pinks.

Eomecon chionantha, meaning eastern poppy or poppy of the dawn, has two factors which almost outweigh the merit of a blooming period which extends from May until frost. The first is that it is not hardy this far north, although Miller says it stands the winters near New York city. I do not speak of the next from experience, but am told that it is an inveterate spreader in congenial surroundings where it is hardy. "Congenial surroundings" mean a moist spot, as in a bog, and there it will spread, so it is said, sending up foot-high stems, bearing 4-petaled white poppies, about two inches across.

Several fleabanes have a long flowering period, but the species are mostly too inconspicuous for the average gardener. They will, therefore, be omitted from the notes, but I think *Erigeron hybridus* Double Beauty should be included. I am quite enthusiastic about this plant, as some may remember from what was said in the article on "Experiences of

1937." The added experience since then has not dimmed my ardor a bit, but has, if anything, only added to it. Under my conditions the plants are seldom without flowers from June until severe frosts, even in the open field. Where they get more attention, they should put on a better performance. Here in northern Michigan in light sand it seldom grows over fifteen or eighteen inches high, though it is said to double that in rich soil. It comes readily from seeds, being fairly constant in its doubleness, though it varies somewhat in that respect, as well as to color, the latter ranging from deep lavender to pale violet blue.

SHOW AT SHENANDOAH, IA.

The annual flower festival held at the Shenandoah armory, Shenandoah, Ia., June 2 to 4, was attended by one of the largest crowds in the history of the event. So great was the number of visitors who came to see the amateur and professional exhibits that the officials had to keep the doors open past the anticipated closing time. This year's show was featured by the coronation of a queen and a fireworks display.

WILLIAM FOX, who has operated a nursery at Monfort Heights, O., for the past seven years, opened a salesroom at 3810 North Bend road, Cheviot, O., May 27.

FINE ORNAMENTAL SHRUBS, EVERGREENS, "WESTERN-GROWN ROSES" and HARDY PERENNIALS

are all offered in our

LARGE GENERAL ASSORTMENT OF HIGH-QUALITY
NURSERY STOCK

For delivery Fall 1939 — Spring 1940

LAKE'S SHENANDOAH NURSERIES

Shenandoah, Iowa

Red-Leaved Barberry

Seedlings

Light transplanted liners

Finished Stock

Also a general line of other good items
in liners and finished materials.

Fairview Evergreen Nurseries

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AZALEAS
RHODODENDRONS

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FRAMINGHAM NURSERIES
FRAMINGHAM MASSACHUSETTS

OUTPOST NURSERIES

Ridgefield, Conn.

European Green Beech

Heavy Sheared Specimens

Transplanted Spring 1936

4 to 5 ft., B&B.....	\$2.00
5 to 6 ft., B&B.....	3.00
6 to 8 ft., B&B.....	4.25
8 to 10 ft., B&B.....	7.00

F.O.B. Ridgefield, Conn.

TAXUS**Cuspidata Capitata**

1½ to 10 feet.

Best available.

Carloads or truckloads only.

VISSER'S NURSERIES

Springfield Gardens, L. I., N. Y.

**WHOLESALE TRADE LIST
JUST ISSUED**

Lower prices on Evergreens, Deciduous Trees, Shrubbery, Berry Plants, Barberry Thunbergii, green and red; Evergreen Barberry, Glossy Privet, California Privet, Liming-out Stock, 2-yr. Budded Apple Trees, Peach Trees in quantity—Hale Haven, South Haven, Elberta, etc.

It would be to your interest to have our new trade list which will be mailed on request. For large quantities mail us list for Special Letter Prices.

The Westminster Nurseries

WESTMINSTER, MARYLAND

BAY STATE NURSERIES

Incorporated

North Abington, Mass.

Nursery stock
at wholesale.**PRIVET and BERBERIS**

Splendid Stock

Write for Special Quotations

LESTER C. LOVETT

MILFORD DELAWARE

PRINCETON NURSERIES

of PRINCETON, N. J.

SUPERIOR

Hardy Ornamentals

CHERRY HILL NURSERIES.

Members of the Gardeners' and Florists' Club of Boston, Mass., met at the Cherry Hill Nurseries of T. C. Thurlow & Sons Co., West Newbury, June 18, where peonies are made a specialty and cover many acres. All types are included and every novelty of real merit is to be seen from both American and European growers, as well as quite a number of tree and single herbaceous forms from Japan. Numerous seedlings are also grown.

With ample cool-storage facilities, covering 7,500 square feet, flowers can be kept in fine condition for some time for exhibitions in Boston and elsewhere.

In addition to peonies this firm has many irises and hardy perennials such as aquilegias, pyrethrums, hemerocallis, dianthus, anchusas, campanulas and others. In the way of broad-leaved evergreens, it stocks many kalmias and hybrid rhododendrons. Calendulacea and Ghent hybrid azaleas and many other flowering shrubs are also grown. There are splendid blocks of the various forms of taxus, some of exceptionally large size.

EXHIBIT AT TAUNTON.

At the flower show held in Taunton, Mass., June 14 to 16 under the auspices of the Taunton Garden Club, in connection with the tercentenary celebration of that city, W. N. Craig and Donald W. Craig, Weymouth, were judges. C. Van der Voet, of C. Van der Voet's Nursery, Taunton, was the largest exhibitor and contributed some fine groups of broad-leaved and other evergreens, deciduous flowering shrubs and hardy perennials. W. N. Craig showed a collection of lilies, double pyrethrums and eremuri.

OBITUARY.**Maurice Dallman.**

Maurice Dallman, assistant manager of the Missoula Nursery Co., Butte, Mont., died May 15 at the family residence after a short illness. He was 41 years old. He was born at Missoula, but had been a resident of Butte for the past ten years. Mr. Dallman is survived by his widow, Mrs. Josephine Dallman; two sisters, and a brother.

S. DeMELLO has opened a nursery on Antia street, Seaside, Cal.

Hello Boys—

Hope you all are going to the Convention and will have the best time ever. Please don't forget that we have an extra fine lot of forestry material, lining out, ornamentals, rose stocks, budded roses, fruit trees, flowering bulbs and plants, and that we expect to have your inquiries and want lists before you place your orders elsewhere.

ATLANTIC NURSERIES, INC.

D. W. Babcock, Manager

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MARYLAND

**TAXUS
HEADQUARTERS**Brevifolia
Capitata
CuspidataIntermedia
Media Hatfieldii
Media Hicksii

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JACKSON & PERKINS COMPANY

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The Best in Native
Nursery Grown**Rhododendrons****Kalmia****Azaleas and Pieris**

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LaBars' Rhododendron Nursery

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Nurserymen since 1898

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Send for a copy of our
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Use printed stationery, please.

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RETINISPOSA PLUMOSA AUREA

4 to 6 ins., 1-yr., tpi., field.....\$ 80.00 per 1000

6 to 9 ins., 3-yr., tpi., field.....150.00 per 1000

TAXUS BREVIFOLIA NANA

6 to 8 ins., 1-yr., tpi., field.....\$ 80.00 per 1000

8 to 10 ins., 3-yr., tpi., field.....150.00 per 1000

BRIDGETON, N. J. Write for catalogue

BURR'S QUALITY SEEDLINGS

Barberry Thunbergii, Barberry Red Leaf, Itoya Privet, Ampelopsis Vetchii, Dutchman's-pipe.

At Bargain Prices.

C. R. BURR & COMPANY, INC.
Manchester, Conn.

Oklahoma Meeting

*Two Days' Sessions Include Memorial
for Departed President, Virgil E. Bryan*

The nineteenth annual summer meeting of the Oklahoma State Nurserymen's Association was held at the Hotel Tulsa, Tulsa, June 14 and 15. The Tulsa Retail Nurserymen's Association acted as host for the meeting.

After the meeting was called to order by J. A. Maddox, secretary, the executive committee installed C. E. Stephens, Tulsa, as president to fill the unexpired term of Virgil E. Bryan, who died recently. The invocation was given by Jim Parker, Tecumseh.

Mr. McSpadden, of the Tulsa chamber of commerce, welcomed the nurserymen to Tulsa and expressed the desire of the chamber of commerce to work with the nurserymen of the state. In his response, T. A. Milstead complimented the Tulsa chamber of commerce on its accomplishments in agricultural cooperation.

J. Frank Sneed, Oklahoma City, conducted a fitting memorial to the late Virgil E. Bryan, who was serving his third term as president of the association at the time of his death.

President Stephens then took the floor and outlined his plans for the association. Among the points stressed were closer cooperation among nurserymen, more recognition of the younger men in association affairs, better and more authentic information on propagation and dissemination of products and better business ethics.

Because of the short time available, the report of the secretary was made as brief as possible.

C. Y. Higdon, Oklahoma City, was nominated vice-president by J. Frank Sneed to fill the vacancy caused by the succession of C. E. Stephens to the presidency. He was duly elected. C. E. Bresser was elected a member of the executive committee.

Among those who gave a few remarks were Jean Davis, Tahlequah, Okla.; Jack Foote, Durant, Okla.; J. E. Conard, Stigler, Okla.; Jim Parker, Tecumseh, Okla.; C. E. Garee, Noble, Okla.; C. Y. Higdon, Oklahoma City, Okla.; Dr. F. B. Cross, Stillwater, Okla.; Warren Welch, Oklahoma City, Okla.; Harold Crawford, Ottawa, Kan.; S. J. Verhalen, Scottsville, Tex.; Clark

Kidd, Tyler, Tex., and J. D. Lane, Sherman, Tex.

A committee composed of C. Y. Higdon, N. D. Woods and C. E. Garee drafted a resolution of condolence and respect which was sent to the widow of the late president of the association, Virgil E. Bryan.

In the absence of J. T. Foote, Durant, who is ill, the secretary read a transcript of his talk, published in this issue.

Seventy nurserymen, guests and wives attended the noon luncheon. Mrs. J. L. Landrum and Mrs. Little, of Oklahoma City, who were attending the meeting in the interests of the Oklahoma City fall flower show, told of the plans for the coming show. They pointed out that the way was open for nurserymen to place exhibits at the show, and they asked that all nurserymen take part in the show. At the 1938 show more than 35,000 persons were registered, and the value of displaying products and making contacts was told. Nurserymen from the entire southwest are invited to participate.

The convention was again called to order at 1 p. m. by President Stephens. Harold Crawford, Ottawa, Kan., told of modern methods in merchandising nursery stock. His talk

was illustrated by literature of firms successful in securing mail-order business. Radio, newspaper, magazine and display advertisements were mentioned as possible methods to stimulate and increase demand.

Tom Milstead, N. D. Woods, C. E. Stephens, C. E. Garee, Jack Foote and Leo Conard discussed trade outlets and the value of retail sales.

Dr. F. A. Fenton, head of the department of entomology, Oklahoma A. & M. College, gave an impromptu talk on insect problems encountered during the year. Dr. Michel Afanasiev, associate professor of horticulture at the Oklahoma A. & M. College, told of his experiments during the past year on the germination of seeds of *Cercis canadensis*. N. D. Wood, Oklahoma City, told of his experiences with Dowax in and around Oklahoma City. He explained that the manufacturers have decided to carry on further experiments in Oklahoma City and other southwestern sections.

The remainder of the day was devoted to a meeting of the Oklahoma chapter of the American Association of Nurserymen.

C. E. Garee, Noble, acted as toastmaster for the banquet, which was attended by sixty-five nurserymen, wives and guests. Mrs. Quinlin, garden editor of the Tulsa World, was guest of honor and told of her experience in a beauty parlor while on a trip to Texas.

Thomas Rogers, Winfield, Kan.,

WE THANK

Our fellow nurserymen for the business they have given us during the past season.

We shall look forward to your inquiries for lining-out stock for delivery this fall or next spring in seedlings, cuttings and grafts.

HESS' NURSERIES
MOUNTAIN VIEW • NEW JERSEY

- Evergreen Seedlings
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- American White Elm, 2-in. and up
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- A complete assortment of hardy trees and shrubs

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Harley J. Deems—Clifton C. Smith

EVERGREENSComplete assortment of the
best varieties of Evergreens.Send for our wholesale
nursery price list**HOLTON & HUNKEL CO.**

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FOR FALL PLANTINGHardy Bulbs, Ferns,
Lady's-slippers and plants.Also Trees, Shrubs
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Send for our list.

L. E. WILLIAMS NURSERY CO.

P. O. Box 147 Exeter, N. H.

EVERGREENSLining-out and Specimens
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**EVERGREENS**For Seventy-five Years
Growers of Quality Evergreens
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Write for Trade List**EVERGREEN NURSERY CO.**

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NURSERY STOCK—ASK FOR TRADE LISTSend us your WANT LIST for quotations
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EVERGREEN SEEDLINGS
TRANSPLANTS AND APPLE TREES
Write for price list.
Send us your trade list.**MATHEWS EGGERT NURSERY**
North Muskegon, Mich.

being absent, the Kansas delegation had no protector and had to bear the brunt of the jokes.

In the absence of Dr. A. M. Rolf, plant pathologist at the Oklahoma A. & M. College, who was to have given a talk, the second day of the convention was devoted to unfinished business.

Plans are being perfected for the Oklahoma A. & M. College short course, to be held August 2 and 3.

Representatives of out-of-state nurseries at the meeting were A. E. Willis and Harold Crawford, Willis Nursery Co., Ottawa, Kan.; Clark Kidd, Arp Nursery Co., Tyler, Tex.; Robert Scott, Kansas Evergreen Nurseries, Manhattan, Kan.; H. T. Griffin and J. D. Lane, Texas Nursery Co., Sherman, Tex.; H. C. Banta, L. R. Taylor & Son, Topeka, Kan.; S. J. Verhalen and L. C. Ihrke, Verhalen Nursery Co., Scottsville, Tex.

Thomas B. Gordon, state nursery inspector, was a guest the first day and stayed for the banquet. He is quite elated at occupying his old post after an absence of twelve years.

The picnic at Mohawk park was attended by approximately 150 persons, who had plenty to eat and drink. Many of them took part in the various games and contests.

The wives of Tulsa members entertained the visiting women at the Boston Avenue Methodist church, and an enjoyable time was reported.

J. A. Maddox, Sec'y.

SOUTHWESTERN NOTES.

A. F. Lake and his son, David S. Lake, Shenandoah, Ia., drove to Cleveland, O., late in June, calling on the trade en route after visiting nurseries in Kansas and Missouri. David Lake expects to call on the trade in Colorado in July.

Ralph Young and Arthur Merkle have opened the Southwestern Gardens at 2223 West Twenty-third street, Oklahoma City, Okla. Mr. Young was formerly associated with the Oklahoma park department.

The Sutton Nurseries, Independence, Kan., were low bidders on two highway improvement projects, one in Johnson county and one in Wyandotte county, Kansas. These two projects were let as one, Sutton's bid being \$7,092.

Robert Scott, of the Kansas Evergreen Nurseries, Manhattan; H. C. Banta, of L. R. Taylor & Sons, To-

TAXUS

Taxus cuspidata, spreading, propagated from cuttings of the improved dark green strain.

	Ea. per 100	Ea. per 1000
18 to 24 ins. light XXX B&B	\$1.25	\$1.15
18 to 24 ins. heavy XXX B&B	1.50	1.35
2 to 2½ ft. XXX B&B	2.00	1.85

We also have large Taxus, including trimmed specimens up to 4 and 5 ft. high.

Taxus headquarters — over 100,000 plants.

THE W. A. NATORP CO.
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BURTON'S HILL TOP NURSERIES
CASTTOWN, OHIO**I - Lining-out Shrubs****II - Lining-out Trees****III - Lining-out Evergreens**

- (a) Grafted Evergreens
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IV - Lining-out Vines

Also a hundred acres of choice finished sizes in the above classifications.

**PIONEERING THE NEW
BUDDLEIAS**

	Each—	10	100	1000
2¼-inch pots				
Concord, dark red.....	60c	50c	40c	
Dubonnet, red	60c	50c	40c	
Eleanor, Eleanor blue.....	60c	50c	40c	

Be the first in your locality to handle these entirely new sorts. Plant early for maximum results. Will bloom till first heavy frosts.

PLANT BUYER'S SERVICE

Ralph E. Coe

Box 253 Palmsville, Ohio

HARDY OREGON ROSES

Starred and dormant buds on **MANETTI** and **ODORATA** for **GREENHOUSE** use. Heavy 2-year Roses on Multiflora and Tree Roses. Submit list for quotations.

CARLTON NURSERY CO.

Carlton (Since 1890) Oregon

O. H. PERRY NURSERY CO.
P. O. Box 545 McMinnville, Tenn.

Leisera Halliana, Hall's Honeyuckle.
1-yr. tr., No. 1, 18 to 24 ins. \$30.00 per 1000
2-yr. tr., No. 1, 18 to 24 ins. 40.00 per 1000
Juniperus virginiana, red cedar, tr. understock, grafting grade, \$25.00 per 1000.
Write for special quotations on tree seedlings and shrubs. Place your order now. We will ship when you are ready for it.

ARTHUR DUMMETT

Dealer in Nursery Stock
at Wholesale

61 West Grand St. Mount Vernon, N. Y.

peka, and A. E. Willis and H. S. Crawford, of the Willis Nursery Co., Ottawa, all of Kansas, were in attendance at the Oklahoma nurserymen's convention at Tulsa, June 14 and 15.

T. L. Pearsall, Montrose, Colo., is spending the summer at Knoxville, Tenn., with his family.

Robert Whitely, landscape gardener, Wichita, Kan., has bought an acre place at 3314 West Second street, which will henceforth be his home and business headquarters.

E. R. Taylor, of L. R. Taylor & Sons, Topeka, Kan., has gone to Rochester, Minn., for medical treatment.

J. A. Maddox, formerly in the nursery inspection service in Oklahoma, has leased seven acres of land and a greenhouse at 5840 Northwest Thirty-ninth street, Oklahoma City, and will reestablish himself in the nursery business. Mr. Maddox, who was a pioneer in the nursery business and operated for many years in Oklahoma City before entering government service, has a wide acquaintance in the industry. He is secretary of the Oklahoma State Nurserymen's Association.

Miss Margaret Knerr, who operates a landscape business in connection with Mrs. Martin's Flower Shop, Manhattan, Kan., recently suffered a severe loss in the fire which badly damaged her house. Miss Knerr, who is president of the Kansas Federation of Garden Clubs, had recently returned from the national convention of garden clubs at Colorado Springs, Colo., when the fire occurred. Most of her garden club papers were destroyed.

Mrs. George Kaupp, Nevada, O., has taken over the Kaupp-Carlton Nursery. Jack Carlton is no longer connected with it.

Mrs. E. T. Swenson, Torrington, Wyo., reports that she is starting a small nursery.

Two roadside improvement contracts were let in Geary county, Kansas, June 22. The specifications called for 310 shade trees, 121 evergreens, 684 shrubs, 556 pounds of grass seeds, 1,840 pounds of fertilizer and 300 bales of peat moss. The jobs were originally scheduled for letting on March 28, but because of the change in administration the letting was canceled.

Mrs. Nell Whitehead, landscape architect, held the formal opening of

her new office building, at 901 University drive, Fort Worth, Tex., late in June.

KANSAS LANDSCAPE MEET.

The summer meeting of the Association of Kansas Landscape Architects was held at Lawrence, June 18, with Mr. and Mrs. Andrew Elson in charge. After a fried chicken and fresh cherry pie dinner, which was served at Wiedeman's at 12:30, Harold S. Crawford, president, introduced K. K. Landes, professor of geology at the University of Kansas, who spoke on what has been attempted and what should now be done to interest the legislature in converting sections of peculiar geological interest in Kansas into state parks.

Prof. L. R. Quinlan, of Kansas State College, then showed natural color photographs taken chiefly on the spring tour of parks and estates in Kansas City.

Mrs. Elson entertained the ladies at her home while the business was transacted.

The organization went on record as favoring the establishment of an arboretum in Kansas, and a committee was appointed to investigate ways and means of attaining this end and to invite the coöperation of other organizations.

The next meeting will be held in connection with the Kansas school for nurserymen and the horticulture

show at Manhattan early in December.

Those present were Mr. and Mrs. Lawrence Kelly, Topeka; Mr. and Mrs. Ralph Ricklefs, Salina; Mr. and Mrs. John Pinney, Ottawa; Mr. and Mrs. A. C. Elson, Lawrence; Mr. and Mrs. H. S. Crawford, Ottawa; Prof. and Mrs. K. K. Landes; Mr. and Mrs. Chester Billings, Manhattan; Mr. and Mrs. Homer Jameson, Topeka; Prof. and Mrs. W. D. Durell, Lawrence; Lloyd Copenhafer, Manhattan; W. S. Griesa, Lawrence; Franklin Rose, Topeka; Prof. L. R. Quinlan, Manhattan; Miss Margaret Knerr, Manhattan, and Linus Burton, Manhattan.

REEDS' ANNIVERSARY.

Governor and Mrs. Lloyd C. Stark of Missouri were among the guests who helped Mr. and Mrs. Homer L. Reed, Louisiana, Mo., celebrate their fiftieth wedding anniversary June 10 in the old homestead in which the governor was born. Mr. Reed has been superintendent of the Stark Nurseries at Louisiana, Mo., for more than forty years. During that time he worked hand in hand with Luther Burbank. At the present time he is in charge of the Burbank gardens at Louisiana and Sebastapol, Cal. Mr. Reed planted the first tree from which was picked the Stark Delicious apple.

A NURSERY and greenhouse have been opened by Philip J. Bauer, Tieton, Wash.

Write for information on

AUTOMOTIVE TREE MOVERS

TREE MOVING CART

WHEELED EVERGREEN CARRIER

NURSERY HAND TRUCK

Nurseries in all sections of the United States are using our equipment.

THE GARDEN SHOP, INC., 4819 Mission Road, Kansas City, Kan.

FINEST LANDSCAPE STOCK

Covering all of the best shrubs and plants for the south. Also a half million of lining-out CAMELLIAS, AZALEAS AND GENERAL NURSERY STOCK.

Write for Price List.

E. A. McILHENNY

Specialist in CAMELLIAS, AZALEAS, IRIS and HEMEROCALLIS
AVERY ISLAND, LA.

We specialize in
APPLE AND PEACH TREES
Strawberry, Asparagus, Raspberry and
Blackberry plants.
Grapevines, 1 and 2-year.

OUR MANY YEARS' PRODUCTION
EXPERIENCE COMBINED WITH OUR
FAVORABLE LOCATION ENABLES
US TO OFFER STOCK THAT MUST
PLEASE AT PRICES YOU WILL AP-
PRECATE.

Submit your definite list for quota-
tions.

BOUNTIFUL RIDGE NURSERIES
Princess Anne, Md.

IF YOU plant
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Natural Peach Seed

you will not be sorry. Reliable
and Dependable. Write for prices
on 1938 crop. 6000 to 7000 seeds
to the bushel (50 lb.)

Fruit Trees, Shade Trees,
Ornamental Trees,
Shrubs and Evergreens
Southern Nursery & Landscape Co.
Winchester, Tennessee

RASPBERRIES

Latham — Chief
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Indian Summer Everbearing

RED LAKE CURRENT
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We Grow —

A complete line of Berry Plants,
Grapes, Currants, Rhubarb and Aspa-
ragus.

Let us have your requirements.

KRIEGER'S WHOLESALE NURSERY
Bridgman, Michigan

SMALL FRUIT PLANTS

Evergreens — Shrubs
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Send for Complete Trade List

SCARFF'S NURSERIES

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Wholesale Growers of

Grapevines, Currants, Gooseberries,
Blackberries and Raspberries

Let us quote on your requirements

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69 Orchard St. Fredonia, N. Y.

PEACH PITs

Our Pits Compare Favorably
With the Best

HOGANSVILLE NURSERIES
HOGANSVILLE, GEORGIA

NEW NURSERY LIST.

[Continued from page 11.]

spreading branches, is a useful lawn
and street tree. While the red oak
becomes as large as the white oak, it
can be used to better advantage on
smaller properties, since the branches
are more upright. The foliage is glossy
green, turning red in autumn.

A species similar in habit and form
to the red oak is *Quercus texana*, the
Texas red oak. While the nomen-
clature of this oak is somewhat in
doubt, the plant does well and pro-
duces a handsome specimen in south-
ern Ohio.

Quercus velutina, the black oak, is
another species of similar habit to the
red oak, but usually not so attractive.
The irregularly blunt-lobed leaves are
not so attractive as those of the red
oak, either in summer or with its dull
red autumn color.

Few of the willows find a place on
the selected or secondary list. They
possess few characteristics to warrant
extensive use. As a group they are
weak-wooded. Four species of weeping
willows are quite common in the trade.
These are *Salix babylonica*, *S. blanda*,
S. elegantissima and *S. Niobe*. The
Babylon weeping willow is not quite
hardy and is not considered so reliable
as *S. blanda*, the Wisconsin weeping
willow. *S. elegantissima*, the Thurlow
weeping willow, resembles *S. Niobe*
and is considered by many to be equal
or superior to it.

Sophora japonica, the Chinese schol-
ar's tree or Japan pagoda tree, as it is
often called, is far too seldom seen in
ornamental plantings. Even though
its growth is slow and the plants are
slow in coming into bloom, nurserymen
can well afford to propagate this plant,
and landscape men may well find use
for it in many situations, especially as
a lawn and street tree. Although
plants may reach a height of seventy-
five feet or more, they are usually
much smaller, hardly exceeding fifty
feet and forming a round head. Plants
do well in average soil and where sub-
jected to drought and city conditions.
Insects and diseases seldom trouble it.
The small leaflets cast a light shade,
allowing the ready growth of grass be-
neath it. Creamy, white, occasionally
pinkish flowers, are produced in loose
terminal clusters the latter part of
August. A weeping form, *Sophora*
japonica pendula, may find limited use
in ornamental plantings.

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habit of growth, attractive foliage and flower find considerable use in landscape plantings.

Tilia cordata, the little leaf European linden, is usually a small to medium-size tree with small heart-shaped leaves. This species is often trimmed and used for formal allée plantings.

Tilia euchlora, the Crimean linden, with a glossy dark green, roundish leaf, in size midway between that of the American linden, *Tilia americana*, and the little leaf European linden, *Tilia cordata*, is certainly one of the most beautiful of the lindens. Of smaller size than most of the species of this genus, it has a pleasing habit of growth which makes it adaptable for small lawn planting.

Considering the lindens in the secondary list, perhaps *Tilia platyphyllos*, the large-leaved linden, and *Tilia vulgaris*, the common linden, are the most worthy of attention, but as a rule they are not so satisfactory as the two previous species mentioned.

Even in face of the serious insects and diseases attacking the elms, they still constitute an important group of plants that will continue to be used extensively. In many sections, however, other reliable trees should be substituted for them in many cases. Two wide-spreading forms, *Ulmus americana*, the American elm, and *Ulmus campestris*, the English elm, and three narrow forms, *Ulmus americana columnaris*, *Ulmus americana Moline*, the Moline elm, and *Ulmus campestris Wheatleyi*, the Wheatley elm, find a place on our selected list. Most of these elms are so well known that they need no discussion here. The vase elm, a form of the American elm, is not listed, although it is used considerably. In Ohio it does not seem to be so satisfactory as the Moline elm. The Wheatley elm makes a fine, small, compact specimen for use on small properties.

In the secondary list, *U. foliacea stricta*, *U. glabra fastigiata* and *U. hollandica superba* are all relatively narrow upright forms. *U. parvifolia*, the Chinese elm, and *U. pumila*, the Asiatic elm, are decidedly different. *U. parvifolia* has small leaves and rather stout though thin branches and is relatively slow-growing. *U. pumila*, often erroneously listed as the Chinese elm, is of little use as a specimen tree because of its susceptibility to wind breakage. It can, however, be trimmed into a satisfactory high screen. *U. race-*

mosa is a large spreading tree, resembling to a considerable extent the American elm, but without its characteristic shape. The branches usually bear corky wings.

Space will permit only brief mention of some of the plants in the secondary and discard lists. A few of them, were it not for one or two serious faults, would find a place on the selected list.

The flowers are the only outstanding feature of the horse chestnuts. Their susceptibility to anthracnose, their tendency continually to drop foliage in summer and their coarse habit limit their use.

The weeping cutleaf European birch is the one most commonly listed in the trade. Its susceptibility to the bronze birch borer prohibits its recommendation. The canoe birch, *Betula papyrifera*, is more immune to borers and has fully as attractive bark. Unfortunately it does best in northern regions.

Celtis Bungeana, the hackberry, a plant of about fifty feet in height, is nearly round in form, with attractive light gray bark and thick, glossy green foliage. The specimens of this species seen have been entirely free from the witches'-broom. The fruits are said to be purplish-black and may persist for a considerable period after the leaves fall. Two other species of somewhat larger size are *Celtis jessoensis* and *Celtis mississippiensis*, the sugarberry. The former is a tree growing to seventy-five feet in height with clean, dark green foliage and attractive gray bark. It is a native of Korea and

Japan. The sugarberry is native from southern Indiana and Illinois south. It is a large tree, reaching ninety feet or more at maturity, with wide-spreading, somewhat pendulous branches, covered with light gray bark. The leaves are smaller than those of *Celtis occidentalis*, the common hackberry, and are almost entire. One of the most serious objections to the common hackberry is that it is seriously troubled with witches'-broom. The sugarberry seems much more resistant to this pest. One large specimen on the campus at Ohio State University is entirely free, while near by a tree of hackberry is seriously attacked with the pest. Since *Celtis* is tolerant of city conditions it should be used more extensively. *Celtis mississippiensis* should make a good street tree.

Cladrastis lutea, the yellowwood, has long, drooping panicles of fragrant white flowers in late spring, which are the outstanding feature of this small tree. Its tendency to form weak crotches is its main objection, but if this fault is corrected by pruning when the plants are small, and by cabling, it should be added to the selected list.

Too little information is available on *Eucommia ulmoides*, the hardy rubber, to specify its true ornamental value. A slow-growing tree of medium size, it is somewhat narrow in form, with leaves resembling those of the elm or hackberry. Apparently resistant to pests, it is of considerable promise as a specimen tree.

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Most of the ashes are quick-growing, short-lived, of relative coarse texture and subject to pests. *Fraxinus excelsior* and *Fraxinus quadrangulata* appear to be the most desirable.

The thornless honey locust has been recommended rather extensively for a lawn and possibly for a street tree during the past few years. Because of its small leaves and the light shade it casts, it is a desirable lawn tree. Its relegation to the secondary list is due to the susceptibility of old specimens of the common honey locust to wind breakage. Possibly the thornless form, nursery grown, and carefully pruned, will be more reliable.

Gymnocladus dioica, the Kentucky coffee tree, because of its bark, large compound leaves, purplish twigs and habit of growth, is interesting. The objectionable litter of old seed pods rules against its use.

Halesia monticola, the mountain silver bell, has large, drooping clusters of bell-shaped flowers in May, which is the most attractive feature of this tree form of silver bell. Its adaptability is not well enough known to recommend it for general planting.

The exacting cultural requirements of the larches and their susceptibility to insects and diseases limit the use of this attractive species of plants. *Larix leptolepis* (Kaempferi) is perhaps the most beautiful and attractive of the group.

Liriodendron Tulipifera, the tulip tree, is an attractive, tall forest tree with large, lobed leaves and yellowish-green tuliplike flowers. Its tendency to develop few branches on the lower part of the trunk limits its usefulness in landscape plantings. It is useful as a park tree. The narrow upright form, *L. Tulipifera pyramidale*, may become of considerable value.

No doubt many will criticize severely the placement of the plane trees on the secondary and discard lists. *Platanus acerifolia*, the London plane tree, the one usually sold by the trade as the oriental plane, is the most useful. Its outstanding feature is its ability to resist smoke and other adverse city conditions. It possibly might find a place on the selected list because of this trait, if it were not for the fact that many plane trees in the east have died recently due to the newly discovered plane disease, and its susceptibility to winter injury in cold winters. Other species, especially *P. occidentalis*, the American plane, are



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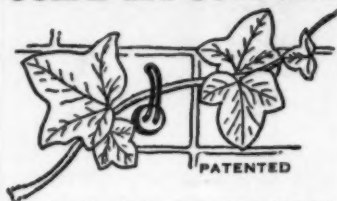
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useful for offscape planting along the banks of streams, where its white bark is pleasing. The susceptibility of this species to anthracnose and its continual dropping of foliage prohibit its use as a lawn tree.

None of the poplars can be highly recommended. *Populus Bolleana* and *P. Simonii* are the best of the narrow upright forms. They are, however, subject to many of the same faults that have prohibited the use of the old Lombardy poplar. *P. tremuloides* would be my choice of the spreading types.

Pseudolarix amabilis, the golden larch, even though it belongs to the pine family, is nevertheless deciduous, as is the better known larch, *larix*. A large pyramidal tree, with soft, light green foliage, turning bright yellow in the autumn, the golden larch is attractive. It prefers an acid soil and seems to do best in light, sandy soils and sunny locations. It is a pleasing specimen plant.

Except for two of the Japanese cherries, *P. serrulata sachalinensis* (Sargentii), the Sargent cherry, and *P. yedoensis*, the species of *prunus* are of little value. The Sargent cherry is probably the best of the Japanese cherries, but trials have not been extensive enough in the midwest to warrant its placement other than on the secondary list.

Zelkova serrata; the sawleaf zelkova, has been mentioned as a possible substitute for the elm in areas where the Dutch elm disease is troublesome. It has, however, been found susceptible to the disease and certainly cannot approach the American elm in form and grace. A large tree at maturity, it grows rather narrow and upright, frequently with a number of large branches from near the base of the plant. The growth habit of this plant leads me to believe that it could be used as a high hedge or as a screen, as it will stand trimming readily.

This article completes the discussion of a new nursery list of deciduous woody plants. The lists should not be considered final—modification should be made if additional information proves that other plants are well worthy of consideration. Undoubtedly, in some regions, considerable modification will be necessary. However, it is believed that this can be taken as a standard list. An additional list might be prepared to include plants which do well in limited regions or are

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useful for some specific reason. If such lists as this, with modifications as necessary, were prepared for the different regions of the country and adopted as standard, it would greatly improve nursery practices and aid clients in selecting better plant materials. Such an endeavor, in preparing such lists, is well worthy of attention and action by the American Association of Nurserymen.

A new nursery list of evergreens is contemplated. Any comments or suggestions readers of the American Nurseryman would care to make would be appreciated.

NEW NURSERY OPENED.

Approximately 100,000 rose blooms formed a colorful reception committee for visitors at the opening of the new Lincolndale Nurseries, at Lincolndale, near Katonah, N. Y., June 17 and 18. The new nurseries are being established on the 100-acre estate recently purchased by Carroll E. Perkins, of the Jackson & Perkins Co., Newark, N. Y.

Some of the new rose varieties were shown the public for the first time. Among these were Eternal Youth, pink; Alice Harding, a sunflower-yellow tint; the new Spanish rose, Alezane, a reddish brown and apricot; Mme. Jean Gaujard, a French variety of orange and buff; McGredy's Sunset, of the famous line of Irish roses, a chrome yellow, and eight varieties of floribunda type. B. J.

ADS PULL AT ST. LOUIS.

The Gern Nursery Co., Afton, Mo., and the Westover Nursery Co., Clayton, Mo., carried special advertisements in the daily papers May 28, inviting the public to view their special displays of plants for Memorial day. The result was a large cash-and-carry business during the day. The Kurtz Nursery, Clayton, Mo., also had many visitors as a result of a newspaper advertisement featuring Sun Valley stone for garden walls and rock gardens.

MEEKER'S NURSERY, Crown Point, Ind., has been purchased by Clement J. Beem.

A. B. STILLWELL, landscape architect, has been named manager of the Spencer Seed & Nursery Co., Spencer, Ia., by W. P. Woodcock, owner.

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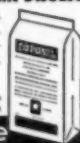


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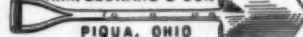
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*Fullest Report of the Portland Meeting
will be read by the nurserymen at home in the
A. A. N. CONVENTION NUMBER—JULY 15*

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SPRAY**

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